

Orange / Project completeness

114 additional project profiles

Bangel is the language; MJos is the operating system. The MJos Predictive Model retains its distinct project identity. Elsa is the compiler, JP admission is independent, and Joanna handles admitted execution and processing.

These papers reconcile recovered source definitions, historical discussions and expressly requested profiles. Source status and proposed language contracts remain explicit. Gold and Indigo follow recovered overview rules; they are new reconstructions. White papers are excluded.

This local review edition does not establish deployed software, validated physical performance or clinical capability. Original private chat transcripts are not included.

Elsa Compiler - Potential IP pathways

MJPE-COMPLETE-20260925-ELSA-COMPILER-ORANGE | Source-backed documentary sequence — execution not rerun

Elsa Compiler / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Compiles Bangel source through parsing, name resolution, unit and semantic checks, lowering and verification into typed JP-IR.

SPECIFIC CONTRACT SURFACE

- SourceText: UTF-8 Bangel source
- GrammarProfile: explicit version
- Effects: declared closed set
- CompileResult: JP-IR or source-spanned diagnostic

IMPLEMENTATION RELATIONSHIP

Current compiler in the Bangel toolchain; carries the historical semantic-recovery role.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An unresolved name, incompatible unit or prohibited recursion must yield its contract diagnostic rather than usable admitted IR.

DISCOVERY NAMES

Elsa/1; ELSA-SEMANTICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: `implementation_source`.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- `language/python/src/bangel/compiler.py` · line 59

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/compiler.py#L59>

- `specs/roles/ROLE-CONTRACT-RECONCILIATION.md` · line 14

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L14>

- Recovered nonwhite collection, page 1375

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1375>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Compiles Bangel source and checks its meaning before producing the typed representation consumed by JP and Joanna.

SOURCE REFERENCES

[language/python/src/bangel/compiler.py · line 59](#)

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 14](#)

[Recovered nonwhite collection, page 1375](#)

JP Representation - Potential IP pathways

MJPE-COMplete-20260925-JP-REPRESENTATION-ORANGE | Source-backed documentary sequence — execution not rerun

JP Representation / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Carries canonical typed mathematical, algorithmic and architecture representations. The general toolchain emits JP-IR/1 for independent admission before execution.

SPECIFIC CONTRACT SURFACE

- RepresentationProfile: JP-IR/1 or separately named profile
- CanonicalBytes: exact serialization
- SourceDigest: SHA-256
- AdmissionResult: accepted or rejected with reason

IMPLEMENTATION RELATIONSHIP

JP-IR/1, JP-CIR and proposed JPArchitectureIR retain separate contracts.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Recompute a digest after mutating an authority, type or effects field; inconsistent content must still fail independent admission.

DISCOVERY NAMES

JP; JP-IR/1; JP-CANON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source_and_distinct_proposals.

Do not flatten older domain-specific JP compiler roles or JP-CIR/architecture profiles into the general representation contract.

SOURCE REFERENCES

- specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L15>

- Recovered nonwhite collection, page 1302

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1302>
- Recovered nonwhite collection, page 1376
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1376>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Typed representation, admission and validation boundary between language compilation and runtime execution.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 15](#)

[Recovered nonwhite collection, page 1302](#)

[Recovered nonwhite collection, page 1376](#)

Joanna Processing - Potential IP pathways

MJPE-COMplete-20260925-JOANNA-RUNTIME-ORANGE | Source-backed documentary sequence — execution not rerun

Joanna Processing / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Executes independently admitted Bangel JP-IR under bounded runtime rules and produces digest-bound evidence receipts.

SPECIFIC CONTRACT SURFACE

- AdmittedIR: independently verified JP
- RuntimeBudget: bounded resource declaration
- InputBinding: typed values and source roots
- Receipt: actual status and execution identity

IMPLEMENTATION RELATIONSHIP

Current Bangel runtime; JO appears as predecessor runtime lineage but also has a separately documented historical proof role.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An exhausted budget, missing measurement or unadmitted representation must not become an unrestricted successful effect.

DISCOVERY NAMES

Joanna/1; Joanna-Receipt/1; Joanna Processing; Joanna compilation processing

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: `implementation_source`.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- `language/python/src/bangel/runtime.py` · line 28

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/runtime.py#L28>

- `specs/roles/ROLE-CONTRACT-RECONCILIATION.md` · line 16

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L16>

- language/python/src/bangel/identity.py · line 14

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L14>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Executes admitted Bangel programs and records outcomes and reconciliation evidence.

SOURCE REFERENCES

[language/python/src/bangel/runtime.py · line 28](#)

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md · line 16](#)

[language/python/src/bangel/identity.py · line 14](#)

JO Proof and Verification - Potential IP pathways

MJPE-COMPLETE-20260925-JO-PROOF-ORANGE | Source-backed documentary sequence — execution not rerun

JO Proof and Verification / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Historical type, unit, proof, test and evidence-verification family, including bounded runtime results in the original papers.

SPECIFIC CONTRACT SURFACE

- ProofScope: named historical contract
- TypedCAPO: exact representation identity
- EvidenceSet: assertion-bound artifacts
- VerificationReceipt: result and unresolved prerequisites

IMPLEMENTATION RELATIONSHIP

Preserve the source JO role while linking its runtime lineage to current Joanna.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A receipt for a different formula or profile must not satisfy this obligation without an explicit verified mapping.

DISCOVERY NAMES

JO; JO-RUNTIME; JO_PROOF_RECEIPT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

Do not state that every JO verification meaning is identical to Joanna execution.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1304
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1304>
- Recovered nonwhite collection, page 7062
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7062>
- Recovered nonwhite collection, page 1378

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1378>

SOURCE REFERENCES

Recovered nonwhite collection, page 1304

Recovered nonwhite collection, page 7062

Recovered nonwhite collection, page 1378

MJ Governing Root - Potential IP pathways

MJPE-COMplete-20260925-MJ-GOVERNING-ROOT-ORANGE | Source-backed documentary sequence — execution not rerun

MJ Governing Root / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Defines the source-level governing root, resource/admission boundary and final bounded decision role for the proposed MJ family context.

SPECIFIC CONTRACT SURFACE

- Purpose: declared governing scope
- EvidencePacket: participant receipts
- ResourceLease: bounded proposed allocation
- Decision: scoped permit, hold or deny

IMPLEMENTATION RELATIONSHIP

Distinct from the MJ Physics Engineering company identity and from the implemented MJ Decision plugin.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Without the applicable lease or final admission evidence, a participant PASS must not substitute for MJ admission.

DISCOVERY NAMES

MJ root; MJ.23.R2.ACT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_profile_partial_integration`.

The metadata alone does not establish a completed root kernel, CAPO bus or lease ledger.

SOURCE REFERENCES

- `specs/roles/ROLE-CONTRACT-RECONCILIATION.md` · line 17

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/ROLE-CONTRACT-RECONCILIATION.md#L17>

- Recovered nonwhite collection, page 1299

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1299>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governs whether an independently validated action may proceed; prediction does not grant execution authority.

SOURCE REFERENCES

[specs/roles/ROLE-CONTRACT-RECONCILIATION.md](#) · line 17

[Recovered nonwhite collection](#), page 1299

Bangel Robotics - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-ROBOTICS-ORANGE | Source-backed documentary sequence — execution not rerun

Bangel Robotics / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Robotics-focused measurement programming with typed evidence, unit-aware source and bounded computation through Elsa, JP and Joanna.

SPECIFIC CONTRACT SURFACE

- Observation: value or UNKNOWN with unit
- AcquisitionTime: timestamp and clock domain
- RobotContext: declared coordinate frame
- Advisory: result, uncertainty and effect boundary

IMPLEMENTATION RELATIONSHIP

Domain identity of Bangel Language; Teal Robotics is a separate bounded plugin.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A missing observation or changed coordinate frame without a transform must remain a typed error or HOLD.

DISCOVERY NAMES

Bangel Robotics Programming Language

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source_domain_identity.

Software calculations and receipts do not establish a physical robot or actuation backend.

SOURCE REFERENCES

- README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/README.md#L1>

- language/python/src/bangel/identity.py · line 6

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L6>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Applies the measurement language to robotics examples with explicit PASS, HOLD and missing-measurement behavior.

SOURCE REFERENCES

[README.md](#) · line 1

[language/python/src/bangel/identity.py](#) · line 6

Teal Robotics - Potential IP pathways

MJPE-COMPLETE-20260925-TEAL-ROBOTICS-ORANGE | Source-backed documentary sequence — execution not rerun

Teal Robotics / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Preserved simulation and shadow-control gate using native Bangel minority-risk source and near-miss templates.

SPECIFIC CONTRACT SURFACE

- Proposal: preserved shadow-control schema
- MinorityRisk: PMOS-MINORITY-GATE/1 input
- IndependentReview: separately bound verdict
- GateOutcome: PASS, HOLD or DENY

IMPLEMENTATION RELATIONSHIP

A distinct plugin under Bangel Robotics and the MJos predictive integration.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A known near miss or absent independent review must not be bypassed by an attractive forecast.

DISCOVERY NAMES

Teal Robotics Verified Control Barrier Function; PMOS-MINORITY-GATE/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

The manifest explicitly says no completed independent family runtime, no continuous-time CBF proof, no live trading and no physical actuation.

SOURCE REFERENCES

- plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json#L1

SOURCE REFERENCES

Bangel Native SDK - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-NATIVE-SDK-ORANGE | Source-backed documentary sequence — execution not rerun

Bangel Native SDK / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

C# and .NET libraries for Bangel syntax, semantics, Elsa compilation, independent JP admission, Joanna runtime, numerics and host integration.

SPECIFIC CONTRACT SURFACE

- SourceText: filename and Bangel content
- CompilerInterface: IElsaCompiler
- CompilationResult: typed IR or diagnostic
- ManagedReceipt: source-bound Joanna result

IMPLEMENTATION RELATIONSHIP

Developer toolkit used alongside Engineering Studio; packages keep their own versioned contracts.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compile an incompatible-unit example and inspect its diagnostic; establish native execution only with fresh package hashes and results.

DISCOVERY NAMES

Bangel.Sdk; Bangel for C# and .NET

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/dotnet/README.md · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/dotnet/README.md#L7>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Managed compiler/runtime integration, SDK, command-line tools and a bounded C# translation surface.

SOURCE REFERENCES

[language/dotnet/README.md](#) · line 7

Bangel API - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-API-ORANGE | Source-backed documentary sequence — execution not rerun

Bangel API / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Versioned public integration boundary for the source-backed Bangel compiler and runtime.

SPECIFIC CONTRACT SURFACE

- Protocol: BANGEL-API/1
- Request: closed operation envelope
- ProgramIdentity: source digest
- Response: typed result or diagnostic

IMPLEMENTATION RELATIONSHIP

Interface of Bangel Language, not a substitute compiler or runtime.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reject unknown protocols and extra fields rather than silently treating them as compatible current requests.

DISCOVERY NAMES

BANGEL-API/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- language/python/src/bangel/identity.py · line 11

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/language/python/src/bangel/identity.py#L11>

SOURCE REFERENCES

[language/python/src/bangel/identity.py · line 11](#)

MJPS Thermodynamics - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-THERMOELECTRIC-ORANGE | Source-backed documentary sequence — execution not rerun

MJPS Thermodynamics / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Bangel 0.1 MJPS component for bounded thermoelectric calculations, network proposals and deterministic reference simulation.

SPECIFIC CONTRACT SURFACE

- Profile: Bangel 0.1 MJPS
- Temperature: expected, anticipated or delivered
- Calibration: verified or unverified
- ProposalReceipt: PASS_PROPOSAL or HOLD

IMPLEMENTATION RELATIONSHIP

Thermodynamic research identity with a recovered bounded steady thermoelectric reference component. The general Bangel 1.0 implementation remains a separate profile.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Unknown temperature and unverified calibration must remain HOLD rather than physical control commands.

DISCOVERY NAMES

MJPS; Bangel Measurement Reference; Bangel Thermoelectric Reference; MJPS thermodynamic

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

No physical controller, board backend or actuation is established.

SOURCE REFERENCES

- components/thermoelectric-reference/README.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L1>

- components/thermoelectric-reference/README.md · line 31

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/components/thermoelectric-reference/README.md#L31>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Package-native thermoelectric simulation combining Seebeck harvesting, Peltier heat pumping, uncertainty and bounded thermal/electrical optimization.
- Historical 0.2 package; physical effect and authority effect remained NONE, global JP acceptance MERGE_CANDIDATE, and bench/HIL/field gates remained held.
- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ThermalBoundary — module and operating conditions
- ThermoelectricModel — Seebeck/Peltier parameters
- UncertaintyEnvelope — bounded temperature and model inputs
- SimulationReceipt — result, assumptions and effect ceiling

IF

A thermoelectric module is evaluated under declared thermal and electrical conditions.

HOW

Apply the documented package formulas and uncertainty bounds, keeping steady and transient coverage distinct.

THEN

Return the bounded simulation result and retain the separate hardware-validation requirements.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

[components/thermoelectric-reference/README.md · line 1](#)

[components/thermoelectric-reference/README.md · line 31](#)

MJmri MRI Imaging - Potential IP pathways

MJPE-COMplete-20260925-MJMRI-ORANGE | Source-backed documentary sequence — execution not rerun

MJmri MRI Imaging / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Authored Bangel research profiles for typed MRI-related representations, evidence and interoperability contracts.

SPECIFIC CONTRACT SURFACE

- ResearchCase: source identity and evidence class
- Quantity: semantic unit and uncertainty
- Profile: authored MJMRI version
- ClinicalUse: false

IMPLEMENTATION RELATIONSHIP

Authored MRI imaging research profiles retain distinct representation and receipt contracts. Elsa is the compiler identity; native integration and Joanna processing remain separately evidenced obligations.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Camera-derived images and unexecuted fixtures must not be promoted to genuine MR acquisition or clinical evidence.

DISCOVERY NAMES

MJmri; JP-IR/MJMRI-1; MJMRI; MJmri MRI imaging

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_candidate.

Non-clinical research only; recovered authored fixtures do not establish native execution or patient use.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md#L1>

- docs/history/b01/BANGEL-PROFILE-AUDIT.md · line 7

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/docs/history/b01/BANGEL->

RECOVERED HISTORICAL CONTEXT

- Historical scope: Named domain family included in the shared MJPS and Drum Sequencer registry.
- Historical scope: Mobile MRI access, representation, DICOM/FHIR interoperability and research reconstruction lineage. Cumulative 0.3 optical/mobile package was authored/reference work; native toolchain/device execution and clinical validation remained pending.
- Native JP compiler runs were explicitly zero at B02–B10; current Elsa/profile reconciliation remains unresolved.
- Phone optical pixels, inferred surface geometry, synthetic anatomy priors and genuine MR evidence remain distinct.
- B21–B25 continuation was requested but no resulting implementation was recovered.

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-NATIVE-PROFILE.md · line 1](#)

[docs/history/b01/BANGEL-PROFILE-AUDIT.md · line 7](#)

MJMRI Optical Research - Potential IP pathways

MJPE-COMPLETE-20260925-MJMRI-OPTICAL-ORANGE | Source-backed documentary sequence — execution not rerun

MJMRI Optical Research / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Keeps observed camera evidence, inferred surface geometry, synthetic anatomy priors and genuine MR evidence in separate classes.

SPECIFIC CONTRACT SURFACE

- OpticalFrame: pixels and acquisition metadata
- EvidenceClass: optical, inferred surface, synthetic prior or MR
- Transform: disclosed source-preserving operation
- Output: non-clinical research representation

IMPLEMENTATION RELATIONSHIP

Specialized MJMRI profile; camera evidence is not MRI.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A synthetic optical fixture must retain its class rather than being relabeled as acquired MR.

DISCOVERY NAMES

MJMRI Mobile Optical Research

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations.

Recovered status: authored_candidate.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 1

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L1>

SOURCE REFERENCES

Cubix - Potential IP pathways

MJPE-COMplete-20260925-CUBIX-ORANGE | Source-backed documentary sequence — execution not rerun

Cubix / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Rooted multiresolution spatial cells carry pixel bounds, source identity, grid index and node points for an external scene.

SPECIFIC CONTRACT SURFACE

- SourceRoot: image identity
- PixelBounds: validated interval
- GridIndex: multiresolution cell
- CellLineage: parent and source references

IMPLEMENTATION RELATIONSHIP

Governed representation inside MJMRI Optical Research, not a separately recovered application.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A changed source root or out-of-bounds cell must not be accepted as the same observed scene.

DISCOVERY NAMES

MJMRI-CUBIX-GRID/1

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

An authored research contract or fixture is recovered. Native implementation and execution remain separate obligations. Recovered status: authored_contract.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22
<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md#L22>

SOURCE REFERENCES

[specs/recovered/BANGEL-0.1-MJMRI-MOBILE-OPTICAL-RESEARCH-PROFILE.md · line 22](#)

MJ Memory Kernel Adapters - Potential IP pathways

MJPE-COMplete-20260925-MJ-MEMORY-KERNEL-ORANGE | Source-backed documentary sequence — execution not rerun

MJ Memory Kernel Adapters / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Local episodic lifecycle, checkpoints, recovery and candidate evaluation executed through Bangel, JP admission and Joanna.

SPECIFIC CONTRACT SURFACE

- Namespace: bound memory context
- Generation: monotonic identifier
- Lifecycle: QUIESCE, SEAL, CHECKPOINT, DETACH, RECLAIM
- Checkpoint: canonical source-bound hash

IMPLEMENTATION RELATIONSHIP

Component of MJ Memory Recall, with non-installing update assessment.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reject reclaim before a valid checkpoint and checkpoints from another namespace without deleting retained records.

DISCOVERY NAMES

Self-healing kernel adapter; MJ-Memory-Update/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Not a bootable operating-system kernel or automatic model installer.

SOURCE REFERENCES

- plugins/mj_memory_recall/docs/KERNEL.md · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/docs/KERNEL.md#L1

- plugins/mj_memory_recall/docs/KERNEL.md · line 19

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/

docs/KERNEL.md#L19

SOURCE REFERENCES

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 1

[plugins/mj_memory_recall/docs/KERNEL.md](#) · line 19

MJ Football Playbook - Potential IP pathways

MJPE-COMplete-20260925-MJ-FOOTBALL-PLAYBOOK-ORANGE | Source-backed documentary sequence — execution not rerun

MJ Football Playbook / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Episodic recall and physics-football playbook projection preserve source curves, command history and selection identities.

SPECIFIC CONTRACT SURFACE

- SelectionId: original playbook identity
- SchematicFrame: declared bounds
- CurveGeometry: source points and curves
- RecallResult: candidate, similarity and uncertainty

IMPLEMENTATION RELATIONSHIP

Domain overlay used by MJ Memory Recall; schematic coordinates are not calibrated robot dynamics.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Another coordinate frame or a later-unavailable observation must not enter the current recall decision.

DISCOVERY NAMES

MJ-Playbook-Projection/0.1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Current source inspected; these documentary bindings do not report newly executed software or physical tests.

Recovered status: implementation_source.

Use only the exact named source scope; a documentary sequence is not deployment or an authority grant.

SOURCE REFERENCES

- plugins/mj_memory_recall/README.md · line 1

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L1

- plugins/mj_memory_recall/README.md · line 53

https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/plugins/mj_memory_recall/README.md#L53

RECOVERED HISTORICAL CONTEXT

- Historical scope: Maps football playbook geometry and actor paths into comparative prediction and neural node-space overlays.

SOURCE REFERENCES

[plugins/mj_memory_recall/README.md · line 1](#)

[plugins/mj_memory_recall/README.md · line 53](#)

MJ EGO REV - Potential IP pathways

MJPE-COMPLETE-20260925-MJ-EGO-REV-ORANGE | Source-backed documentary sequence — execution not rerun

MJ EGO REV / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Indexed Bangel and native C# modules define an energy ledger, battery and thermal inputs, transition rules and append-only audit receipts.

SPECIFIC CONTRACT SURFACE

- EnergyEntry: source class and joules or UNKNOWN
- BatteryState: initial, capacity and grid energy
- ThermalState: initial and captured energy
- AuditRecord: prior root, payload and root

IMPLEMENTATION RELATIONSHIP

Separate product from the associated core referenced by the later Teal library.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Missing energy and forbidden transitions must stay held or rejected rather than being balanced with invented zeroes.

DISCOVERY NAMES

MJ-EGO-REV; Ego.Core

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Full associated source and fresh native execution were not recovered in this inventory pass.

SOURCE REFERENCES

- Later Teal source index, page 974

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=974

- Later Teal source index, page 977

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=977

- Later Teal source index, page 978

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=978

- Later Teal source index, page 979

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=979

RECOVERED HISTORICAL CONTEXT

- Historical scope: Vehicle-energy modeling and audit project with Bangel and C# implementation lineage.

SOURCE REFERENCES

[Later Teal source index, page 974](#)

[Later Teal source index, page 977](#)

[Later Teal source index, page 978](#)

[Later Teal source index, page 979](#)

MJos Quantum Security - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-QUANTUM-SECURITY-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Quantum Security / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

The associated-core source index records entropy health, protection, policy, receipts and self-healing-key modules.

SPECIFIC CONTRACT SURFACE

- NoisePacket: source and observed bytes
- EntropyHealth: declared bounded tests
- RiskSignals: authentication, traffic and integrity
- KeyEvent: provision, rotation or compromise

IMPLEMENTATION RELATIONSHIP

Related to the existing Quantum Systems and Hagar / Water Protection entries; older bridge and policy filenames retain private source provenance.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Malformed noise evidence or a compromise signal must not become an unsupported safe-key claim.

DISCOVERY NAMES

mjos_qs; Quantum Security

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

The later Teal library indexes named source modules and hashes. Discovery does not establish a fresh build, full integration or physical validation.

Recovered status: source_index_recovered.

Index evidence does not establish current cryptographic assurance, hardware certification or quantum security.

SOURCE REFERENCES

- Later Teal source index, page 998

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=998

- Later Teal source index, page 1000

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1000

- Later Teal source index, page 1003

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1003

- Later Teal source index, page 1006

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1006

- Later Teal source index, page 1007

https://drive.google.com/file/d/1JytulokwWY5yHnSqcajL_oQQ_jJQEoAx/view#page=1007

RECOVERED HISTORICAL CONTEXT

- Historical scope: Governed security architecture linking cryptographic migration, artifact integrity, entropy governance, bounded recovery and evidence receipts.

SOURCE REFERENCES

[Later Teal source index, page 998](#)

[Later Teal source index, page 1000](#)

[Later Teal source index, page 1003](#)

[Later Teal source index, page 1006](#)

[Later Teal source index, page 1007](#)

Mika / MK Physics - Potential IP pathways

MJPE-COMplete-20260925-MIKA-PHYSICS-ORANGE | Source-backed documentary sequence — execution not rerun

Mika / MK Physics / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Physics Modulator System for dimensional, conservation, boundary, scale, and evidence representation.

SPECIFIC CONTRACT SURFACE

- Quantity: value, unit and uncertainty
- ControlVolume: declared boundary
- ScaleProfile: explicit scale
- PhysicsReceipt: applicable, not-applicable or HOLD

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Incompatible units or a missing control volume must produce a refusal or HOLD before physical interpretation.

DISCOVERY NAMES

Mika; MK; MK-PHYSICS

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1303

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1303>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1303](#)

Angels Safety - Potential IP pathways

MJPE-COMPLETE-20260925-ANGELS-SAFETY-ORANGE | Source-backed documentary sequence — execution not rerun

Angels Safety / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Domain-specific observation, telemetry, hold, denial, and corrective-command family.

SPECIFIC CONTRACT SURFACE

- Domain: bounded safety scope
- Telemetry: source and timestamp
- SafetyRule: explicit trigger
- Receipt: observe, hold, deny, isolate or correct

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Stale telemetry or an out-of-domain command must not become safety PASS merely because no fault was detected.

DISCOVERY NAMES

ANGELS; ANGELS-SAFETY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1306

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1306>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1306](#)

Bellatrix Defense - Potential IP pathways

MJPE-COMplete-20260925-BELLATRIX-ORANGE | Source-backed documentary sequence — execution not rerun

Bellatrix Defense / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Independent defense, challenge, quarantine, hostile-deviation analysis, and denial.

SPECIFIC CONTRACT SURFACE

- Intake: exact source and digest
- Challenge: bounded hostile-deviation check
- Posture: verified, unknown or failed
- QuarantineRecord: reason and scope

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Replay consumed evidence or alter a digest; preserve the rejection/quarantine reason.

DISCOVERY NAMES

BELLATRIX

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1307

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1307>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Defense and admission boundary that checks whether a proposed action is safe and permitted before execution.

SOURCE REFERENCES

Recovered nonwhite collection, page 1307

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Sister Prediction and Containment - Potential IP pathways

MJPE-COMplete-20260925-SISTER-ORANGE | Source-backed documentary sequence — execution not rerun

Sister Prediction and Containment / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Predictive digital twin, preallocation evidence, anomaly detection, umbrella collection, and canonical physical containment request.

SPECIFIC CONTRACT SURFACE

- StateStream: observations and clocks
- Forecast: source-bound advisory
- ReserveRequest: bounded capacity
- Binding: primary Sister and declared failover

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Removing the primary binding must hold downstream use until the declared failover supplies valid evidence.

DISCOVERY NAMES

SISTER; SISTER-CONTAINMENT

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: `documented_reference`.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1308

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1308>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

SOURCE REFERENCES

Recovered nonwhite collection, page 1308

[specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402](#)

EVE Variance and Egress - Potential IP pathways

MJPE-COMPLETE-20260925-EVE-ORANGE | Source-backed documentary sequence — execution not rerun

EVE Variance and Egress / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Variance, evaporative effect, screen capture, leakage, smoke-like egress, and boundary-accounting evidence.

SPECIFIC CONTRACT SURFACE

- Boundary: declared control surface
- FlowObservation: intake, capture and egress
- Residual: measured or UNKNOWN with unit
- VarianceLedger: source-bound differences

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An omitted egress measurement must remain missing rather than disappearing from the balance.

DISCOVERY NAMES

EVE; EVE-SCREEN

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1309

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1309>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1309](#)

Mary / M3 Routing - Potential IP pathways

MJPE-COMPLETE-20260925-MARY-M3-ORANGE | Source-backed documentary sequence — execution not rerun

Mary / M3 Routing / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Bounded routing, API gateway, load balancing, connection pooling, and allocation stewardship.

SPECIFIC CONTRACT SURFACE

- AdmittedRequest: exact scope
- MJLease: bounded allocation
- CapacityEvidence: available resources
- ReturnReceipt: used and unused amounts

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reject or bound a request exceeding its lease, and refuse expired lease reuse.

DISCOVERY NAMES

M3; Mary

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1310

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1310>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1310](#)

Mermaid Reconciliation - Potential IP pathways

MJPE-COMplete-20260925-MERMAID-ORANGE | Source-backed documentary sequence — execution not rerun

Mermaid Reconciliation / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Accounting, reconciliation, exposure, custody evidence, statements, tax lots, and financial consequence.

SPECIFIC CONTRACT SURFACE

- CustodyReference: acquired evidence identity
- AccountEntry: typed amount and source
- ReconciliationState: explicit disposition
- Statement: source-bound period

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An unexplained difference or unbound custody reference must remain exposed rather than being erased.

DISCOVERY NAMES

MERMAID; MERMAID-RECON

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1311

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1311>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Expresses financial meaning, claims, obligations, valuation and admission within the Bangel ecosystem.

SOURCE REFERENCES

Recovered nonwhite collection, page 1311

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Shiva Capital Models - Potential IP pathways

MJPE-COMPLETE-20260925-SHIVA-ORANGE | Source-backed documentary sequence — execution not rerun

Shiva Capital Models / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Finance, money, treasury, liquidity, capital-job classification, risk/opportunity analysis, and distribution proposal.

SPECIFIC CONTRACT SURFACE

- CapitalPurpose: stated objective
- MermaidAccount: reconciled reference
- LiquidityRequirement: explicit bound
- CapitalProposal: non-executing distribution plan

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An unreconciled account or absent liquidity requirement must not produce an executable distribution.

DISCOVERY NAMES

SHIVA

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1312

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1312>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1312](#)

Shekina Continuity - Potential IP pathways

MJPE-COMPLETE-20260925-SHEKINA-ORANGE | Source-backed documentary sequence — execution not rerun

Shekina Continuity / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Distributed placement, replication, continuity, and infrastructure evidence.

SPECIFIC CONTRACT SURFACE

- PlacementRequest: artifact and scope
- Lease: bounded resources
- ReplicaSet: versioned identities
- FailoverPlan: declared source and target

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Cross-scope replication or failover to an unadmitted target must not expand the original lease.

DISCOVERY NAMES

SHEKINA; SHEKINA-CONTINUITY

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1313

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1313>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Distributed and cloud continuity component in the historical ecosystem architecture.

SOURCE REFERENCES

Recovered nonwhite collection, page 1313

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

Belle Engineering - Potential IP pathways

MJPE-COMPLETE-20260925-BELLE-ORANGE | Source-backed documentary sequence — execution not rerun

Belle Engineering / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Engineering analysis, feasibility, topology review, and bounded proposals.

SPECIFIC CONTRACT SURFACE

- DesignCAPO: source architecture
- PhysicsReceipt: applicable constraints
- Criterion: measurable feasibility requirement
- Proposal: alternative, assumptions and risk

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A missing material or scale assumption must remain a recorded uncertainty rather than an invented design value.

DISCOVERY NAMES

BELLE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1314

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1314>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1314](#)

Aviator Workspace - Potential IP pathways

MJPE-COMPLETE-20260925-AVIATOR-ORANGE | Source-backed documentary sequence — execution not rerun

Aviator Workspace / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Organizational workspace, projects, decisions, roles, knowledge, and governed workflow.

SPECIFIC CONTRACT SURFACE

- Workspace: tenant and scope
- MemberRole: explicit capability
- ProjectRecord: source-bound state
- DecisionRecord: author and evidence

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A valid local role must not authorize another tenant's project.

DISCOVERY NAMES

AVIATOR; AVIATOR-WORKSPACE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Documented domain role does not establish a currently deployed standalone engine.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1317

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1317>

- specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

<https://github.com/Mjos23/bangel-language/blob/229548f13a4856455b3d30d408cf845fb5b557fc/specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md#L402>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Workspace for building applications and interacting with the Bangel toolchain and governed artifacts.

SOURCE REFERENCES

Recovered nonwhite collection, page 1317

specs/roles/GIN-M001-BANGEL-IDENTITY-EDITION.md · line 402

CHI Temporal Variance - Potential IP pathways

MJPE-COMPLETE-20260925-CHI-ORANGE | Source-backed documentary sequence — execution not rerun

CHI Temporal Variance / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Temporal variance and expected-observed-delivered-reconciled difference state.

SPECIFIC CONTRACT SURFACE

- ExpectedState: source and time
- ObservedState: acquisition evidence
- DeliveredState: separate event
- Variance: typed difference and reconciliation

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Incompatible clocks or a missing observation must not be represented as zero variance.

DISCOVERY NAMES

CHI

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

Do not automatically equate historical CHI with GIN; this pass recovered related temporal roles but no verified identity migration.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1318

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1318>

SOURCE REFERENCES

WATER Uncertainty - Potential IP pathways

MJPE-COMplete-20260925-WATER-ORANGE | Source-backed documentary sequence — execution not rerun

WATER Uncertainty / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Interval uncertainty, verified floor, and bounded unknown-state classification.

SPECIFIC CONTRACT SURFACE

- Interval: lower/upper and unit
- VerifiedFloor: source-backed bound
- EvidenceLimit: known or unknown
- ClassificationProfile: named rule

IMPLEMENTATION RELATIONSHIP

Named family identity; separate from color-paper identity.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reversed interval bounds or missing required floors must reject or hold classification.

DISCOVERY NAMES

WATER

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference.

The WATER uncertainty family is not automatically identical to Hagar water-process control or the separate water protection product.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1319

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1319>

SOURCE REFERENCES

JP Semiconductor Phone - Potential IP pathways

MJPE-COMplete-20260925-JP-SEMICONDUCTOR-PHONE-ORANGE | Source-backed documentary sequence — execution not rerun

JP Semiconductor Phone / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Explore semiconductor-scale static intake, power wake, solar assist, battery, and operating-system integration.

SPECIFIC CONTRACT SURFACE

- ScaleProfile: semiconductor dimensions
- Intake: observed or simulated
- WakeReserve: energy and time
- BatteryState: charge and thermal evidence

IMPLEMENTATION RELATIONSHIP

Product profile within JP; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A marine parameter without a validated scale map must be flagged rather than reused.

DISCOVERY NAMES

JP-SC-PHONE; JP Semiconductor Phone Battery and OS Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1380

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1380>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1380](#)

JP Marine Power - Potential IP pathways

MJPE-COMPLETE-20260925-JP-MARINE-POWER-ORANGE | Source-backed documentary sequence — execution not rerun

JP Marine Power / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Explore large-scale static intake, solar initiation, power bus, containment, and marine power integration.

SPECIFIC CONTRACT SURFACE

- MarineProfile: vessel context
- IntakeStorage: typed energy model
- PowerBus: conversion path
- Containment: declared boundary

IMPLEMENTATION RELATIONSHIP

Product profile within JP; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Missing vessel/load context must not be filled by a phone or generic solar profile.

DISCOVERY NAMES

JP-LS-BOAT; JP Large-Scale Boating Power Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_unclassified.

PLANNED_ONLY_UNCLASSIFIED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1381

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1381>

SOURCE REFERENCES

Recovered nonwhite collection, page 1381

JP Peaceful Propulsion - Potential IP pathways

MJPE-COMplete-20260925-JP-PEACEFUL-PROPULSION-ORANGE | Source-backed documentary sequence — execution not rerun

JP Peaceful Propulsion / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Explore peaceful propulsion measurement and control under non-weaponization, safety, and regulatory gates.

SPECIFIC CONTRACT SURFACE

- ResearchPurpose: peaceful scope
- PropulsionState: reference-only
- EnergyBoundary: typed quantities
- PhysicalStatus: active safety hold

IMPLEMENTATION RELATIONSHIP

Product profile within JP; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A simulation result must not be promoted to a hardware command.

DISCOVERY NAMES

JP-PEACEFUL-PROPULSION; JP Peaceful High-Energy Propulsion Research Candidate

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_safety_hold.

PLANNED_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1382

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1382>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1382](#)

Shiva Dual Rails - Potential IP pathways

MJPE-COMPLETE-20260925-SHIVA-RAILS-ORANGE | Source-backed documentary sequence — execution not rerun

Shiva Dual Rails / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Separate stability/cash functions from investment and crypto risk while preserving liquidity-first ethics.

SPECIFIC CONTRACT SURFACE

- StabilityRail: liquidity scope
- InvestmentRail: risk scope
- AccountReference: Mermaid record
- ExternalState: disabled

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An investment scenario must not silently consume a protected stability reserve.

DISCOVERY NAMES

SHIVA-RAILS; Shiva Dual Financial Rails

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_model_external_disabled.

INTERNAL_MODEL_EXTERNAL_DISABLED

SOURCE REFERENCES

- Recovered nonwhite collection, page 1387

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1387>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1387](#)

SHIVAS Internal Reflection - Potential IP pathways

MJPE-COMPLETE-20260925-SHIVAS-INTERNAL-ORANGE | Source-backed documentary sequence — execution not rerun

SHIVAS Internal Reflection / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Represent internal capital reflections without minting, redemption, public offer, or value guarantee.

SPECIFIC CONTRACT SURFACE

- ReflectionId: immutable identity
- CapitalReference: internal source
- Transferability: false
- MonetaryValue: none asserted

IMPLEMENTATION RELATIONSHIP

Product profile within SHIVA; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

External redemption or a guaranteed market price must be rejected as an unsupported interpretation.

DISCOVERY NAMES

SHIVAS-INTERNAL; SHIVAS Internal Settlement Reflection

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_nontransferable_no_monetary_value.

NONTRANSFERABLE_NO_MONETARY_VALUE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1388

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1388>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1388](#)

Shiva Exchange Reference - Potential IP pathways

MJPE-COMplete-20260925-SHIVA-EXCHANGE-ORANGE | Source-backed documentary sequence — execution not rerun

Shiva Exchange Reference / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Model transparent price-time, custody, audit, tax, and transfer rules without operating a market.

SPECIFIC CONTRACT SURFACE

- SimulationOrder: bounded fixture
- PriceTimeRule: declared model
- CustodyReference: source or synthetic
- MarketState: simulation only

IMPLEMENTATION RELATIONSHIP

Product profile within SHIVA; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A matched simulation order must not be reported as a completed real transfer.

DISCOVERY NAMES

SHIVA-EXCHANGE; Shiva Exchange Rule Reference

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_simulation_only.

INTERNAL_SIMULATION_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1390

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1390>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1390](#)

Elsa Marketplace Reference - Potential IP pathways

MJPE-COMPLETE-20260925-ELSA-MARKETPLACE-ORANGE | Source-backed documentary sequence — execution not rerun

Elsa Marketplace Reference / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Coordinate semantic listings, workflow, accounting, execution, and resource evidence without live market authority.

SPECIFIC CONTRACT SURFACE

- Listing: declared semantic purpose
- Workflow: bounded stages
- AccountingReference: scoped record
- ResourceEvidence: route and capacity

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An ambiguous listing or missing custody reference must remain held rather than actionable.

DISCOVERY NAMES

ELSA-MARKETPLACE; Elsa Governed Marketplace Reference
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_internal_reference_only.

INTERNAL_REFERENCE_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1394
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1394>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1394](#)

Bangel Spreadsheets - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-SPREADSHEETS-ORANGE | Source-backed documentary sequence — execution not rerun

Bangel Spreadsheets / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide governed spreadsheet-like operational modeling through typed measurement cells, immutable revisions, Pearl simulation partitions, deterministic recalculation, concurrency control, and audit evidence.

SPECIFIC CONTRACT SURFACE

- Cell: typed measurement or UNKNOWN
- Revision: immutable workbook identity
- DependencyGraph: declared edges
- RecalculationReceipt: exact input/output revisions

IMPLEMENTATION RELATIONSHIP

Product profile within Bangel; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A stale revision or incompatible unit must not overwrite prior work or coerce missing values to zero.

DISCOVERY NAMES

Bangel-SPREADSHEETS; Bangel Spreadsheets

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_prepaskey.

REFERENCE_MVP_PREPASSKEY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1397

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1397>

SOURCE REFERENCES

JPOSMJ Portfolio - Potential IP pathways

MJPE-COMPLETE-20260925-JPOSMJ-PORTFOLIO-ORANGE | Source-backed documentary sequence — execution not rerun

JPOSMJ Portfolio / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Bind every JP-origin product candidate through MK physics representation, JO verification, participant evidence, and MJ bounded permit classification.

SPECIFIC CONTRACT SURFACE

- ProductOrigin: JP source identity
- PhysicsReview: MK applicability
- Verification: JO evidence
- PermitClass: bounded MJ status

IMPLEMENTATION RELATIONSHIP

Product profile within JP; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An unrelated product receipt must not close the target's requirement without verified equivalence.

DISCOVERY NAMES

JPOSMJ-PORTFOLIO; JPOSMJ Product Portfolio Envelope

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_prepasskey_portfolio_envelope.

PREPASSKEY_PORTFOLIO_ENVELOPE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1398

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1398>

SOURCE REFERENCES

MJ Standard Containment - Potential IP pathways

MJPE-COMplete-20260925-STANDARD-CONTAINMENT-ORANGE | Source-backed documentary sequence — execution not rerun

MJ Standard Containment / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide a scale-independent rectangle/cone/Sister/EVE/reservoir calculation standard and H2 reference-gas observation profile.

SPECIFIC CONTRACT SURFACE

- Geometry: normalized rectangle/cone profile
- Scale: declared with physical values held
- ReferenceGas: named model
- Boundary: Sister, EVE and reservoir

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Normalized dimensions must not be treated as fabricated hardware dimensions without scale evidence.

DISCOVERY NAMES

STANDARD-CONTAINMENT-GEOMETRY; MJ Standard Containment Geometry and Reference Gas Model

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.

REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1399

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1399>

SOURCE REFERENCES

MJ Reservoir Collection - Potential IP pathways

MJPE-COMplete-20260925-RESERVOIR-COLLECTION-ORANGE | Source-backed documentary sequence — execution not rerun

MJ Reservoir Collection / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Model the rear reservoir loop, exterior outlet, lake-like buffer, circular inward/tangential re-entry, wave/friction references, adaptive sizing, and full Sister/EVE/Angel/M3/MK/JO/Mermaid/Shiva/MJ transaction path.

SPECIFIC CONTRACT SURFACE

- ReservoirState: bounded volume or energy
- Outlet: exterior boundary
- Reentry: declared geometry
- Balance: observed, simulated or unknown

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An omitted outlet or residual must remain unknown rather than silently creating a self-balancing system.

DISCOVERY NAMES

RESERVOIR-COLLECTION-MODULATION; MJ Reservoir Collection, Lake Buffer, and Spiral-Compatible Re-entry
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_mvp_physical_values_hold.

REFERENCE_MVP_PHYSICAL_VALUES_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1400

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1400>

SOURCE REFERENCES

MJos Solar Core - Potential IP pathways

MJPE-COMPLETE-20260925-SOLAR-CORE-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Solar Core / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide the common JP-origin governed solar and energy-management architecture shared by the phone, marine, and peaceful rocket/spacecraft profiles.

SPECIFIC CONTRACT SURFACE

- SolarIntake: energy and source
- Storage: bounded state
- LoadProfile: phone, marine or spacecraft
- Reserve: explicit protected minimum

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A phone thermal limit must not be applied to a marine or spacecraft profile without evidence.

DISCOVERY NAMES

MJOS-SOLAR-CORE-001; MJOS Solar Shared-Core Architecture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_physical_hold.

DESIGN_TRACE_SPECIFICATION_FROZEN_PHYSICAL_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1401

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1401>

SOURCE REFERENCES

MJos Solar Phone - Potential IP pathways

MJPE-COMPLETE-20260925-SOLAR-PHONE-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Solar Phone / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide solar-assisted phone battery and operating-system power integration with governed energy intake, battery/thermal observation, reserve allocation, workload-aware coordination, provenance, and measurable accounting.

SPECIFIC CONTRACT SURFACE

- PhoneLoad: workload context
- SolarAssist: observed or assumed
- BatteryThermal: source-bound temperature
- WakeReserve: bounded energy

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Missing temperature or acquisition provenance must hold unsupported thermal/reserve conclusions.

DISCOVERY NAMES

MJOS-SOLAR-SEMI-PHONE-001; MJOS Solar Semiconductor Phone Battery and OS Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_planned_only_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1402

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1402>

SOURCE REFERENCES

MJos Solar Marine - Potential IP pathways

MJPE-COMPLETE-20260925-SOLAR-MARINE-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Solar Marine / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide solar-assisted marine energy intake, storage, propulsion-load coordination, conversion/recovery, thermal management, reserve protection, operating-system control, telemetry, and evidence-backed state transitions.

SPECIFIC CONTRACT SURFACE

- MarineLoad: propulsion and critical loads
- SolarStorage: intake and state
- ConversionRecovery: explicit path
- ReserveProtection: source-bound limits

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Ordinary demand must not silently consume a protected critical reserve.

DISCOVERY NAMES

MJOS-SOLAR-MARINE-001; MJOS Solar-Assisted Marine Power and Propulsion Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_unclassified_no_physical_article.

DESIGN_TRACE_SPECIFICATION_FROZEN_UNCLASSIFIED_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1403

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1403>

SOURCE REFERENCES

MJos Solar Spacecraft - Potential IP pathways

MJPE-COMPLETE-20260925-SOLAR-SPACECRAFT-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Solar Spacecraft / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Provide a non-weaponized reference architecture for solar-assisted avionics/electrical reserve, propulsion-state coordination, thermal/battery management, authenticated startup/shutdown, telemetry, fault isolation, and emergency-state control.

SPECIFIC CONTRACT SURFACE

- MissionProfile: peaceful research
- AvionicsReserve: bounded energy
- PropulsionState: coordination only
- FaultState: explicit emergency boundary

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A successful reserve simulation must not be presented as launch approval.

DISCOVERY NAMES

MJOS-SOLAR-ROCKET-001; MJOS Peaceful Solar-Assisted Rocket/Spacecraft Power and OS Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_design_trace_specification_frozen_peaceful_research_only_safety_hold.

DESIGN_TRACE_SPECIFICATION_FROZEN_PEACEFUL_RESEARCH_ONLY_SAFETY_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1404

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1404>

SOURCE REFERENCES

DRO Collection - Potential IP pathways

MJPE-COMPLETE-20260925-DRO-COLLECTION-ORANGE | Source-backed documentary sequence — execution not rerun

DRO Collection / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Represent typed collection, scale, unit, state, lineage, and conservation for elements or variance observations.

SPECIFIC CONTRACT SURFACE

- DRORecord: element or variance identity
- Quantity: value, unit and uncertainty
- Scale: named profile
- Lineage: collection and conservation references

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A Pearl simulation value must not be promoted to an observed DRO measurement.

DISCOVERY NAMES

DRO-COLLECTION-001; DRO Discrete Retention and Element-Collection Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_candidate_simulation_and_measurement_only.

REFERENCE_CANDIDATE_SIMULATION_AND_MEASUREMENT_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1405

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1405>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1405](#)

DRO–Pearl Handoff - Potential IP pathways

MJPE-COMPLETE-20260925-DRO-PEARL-HANDOFF-ORANGE | Source-backed documentary sequence — execution not rerun

DRO–Pearl Handoff / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Allocate DRO records into Pearl computational nodes while preserving typed capacity and receipts.

SPECIFIC CONTRACT SURFACE

- DROSource: typed record
- PearlNode: computational partition
- Capacity: typed allocation bound
- Receipt: source, target and retained lineage

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Capacity excess or lost source identity must reject/hold rather than silently truncate the transfer.

DISCOVERY NAMES

DRO-PEARL-HANDOFF-001; DRO-to-Pearl Computational Node Handoff

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_simulation_and_information_retention_only.

SIMULATION_AND_INFORMATION_RETENTION_ONLY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1406

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1406>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1406](#)

DRO Start and Reserve - Potential IP pathways

MJPE-COMplete-20260925-DRO-START-RESERVE-ORANGE | Source-backed documentary sequence — execution not rerun

DRO Start and Reserve / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Represent source, start-energy, restart-reserve, conversion, and permit gates without authorizing ignition hardware.

SPECIFIC CONTRACT SURFACE

- EnergySource: classified reference
- StartEnergy: amount or UNKNOWN
- RestartReserve: protected bound
- OperationState: non-operational hold

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Adequate simulated start energy without verified reserve and separate permission must retain the hold.

DISCOVERY NAMES

DRO-IGNITION-REFERENCE-001; DRO Start-Energy and Restart-Reserve Reference System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_non_operational_reference_active_hold.

NON_OPERATIONAL_REFERENCE_ACTIVE_HOLD

SOURCE REFERENCES

- Recovered nonwhite collection, page 1407

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1407>

SOURCE REFERENCES

Recovered nonwhite collection, page 1407

Lecanto Image Truth - Potential IP pathways

MJPE-COMplete-20260925-LECANTO-IMAGE-TRUTH-ORANGE | Source-backed documentary sequence — execution not rerun

Lecanto Image Truth / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Preserve image source identity, analyze signal variance, label transformations, and create bounded intent hypotheses.

SPECIFIC CONTRACT SURFACE

- ImageSource: digest and metadata
- SignalResidual: scoped comparison
- Transformation: disclosed derivative
- IntentHypothesis: bounded inference

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

An undisclosed edit or missing provenance must not be presented as an untouched original.

DISCOVERY NAMES

LECANTO-IMAGE-TRUTH-001; Lecanto Image Provenance, Physics, Variance, and Intent-Hypothesis System

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_reference_candidate.

REFERENCE_CANDIDATE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1408

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1408>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1408](#)

JP Semiconductor DRO–Pearl - Potential IP pathways

MJPE-COMplete-20260925-SEMICONDUCTOR-DRO-PEARL-ORANGE | Source-backed documentary sequence — execution not rerun

JP Semiconductor DRO–Pearl / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Integrate DRO energy and measurement accounting with Pearl computational nodes and semiconductor wake/reserve logic.

SPECIFIC CONTRACT SURFACE

- SemiconductorProfile: scale and power
- DROEnergyLedger: typed quantities
- PearlNode: computational capacity
- WakeReserve: protected limit

IMPLEMENTATION RELATIONSHIP

Product profile within MJ; status from the original product register is retained.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Computational retention must not be treated as physical energy storage without a measured mapping.

DISCOVERY NAMES

JP-SC-DRO-PEARL-INTEGRATION-001; JP Semiconductor DRO and Pearl Computational Integration

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_planned_only_no_physical_article.

PLANNED_ONLY_NO_PHYSICAL_ARTICLE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1409

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1409>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1409](#)

Shiva Internal Banking Reference - Potential IP pathways

MJPE-COMplete-20260925-SHIVA-DAY1-ORANGE | Source-backed documentary sequence — execution not rerun

Shiva Internal Banking Reference / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Internal banking, settlement, treasury, accounts and audit reference objective under Mermaid, M3, JO, MK and MJ boundaries.

SPECIFIC CONTRACT SURFACE

- InternalAccount: reference-only
- TreasuryScenario: explicit scope
- SettlementReflection: internal model
- ExternalMarket: excluded

IMPLEMENTATION RELATIONSHIP

Later Grey register names an internal-only objective in place of the Blue catalog position that described disabled external crypto.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

External token offers or unadmitted transfers must not expand the internal scope.

DISCOVERY NAMES

SHIVA-DAY1-INTERNAL-BANKING-MVP

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_future_internal_objective.

No outside-platform cryptocurrency, public market or operational banking claim.

SOURCE REFERENCES

- Recovered nonwhite collection, page 7105

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

[Recovered nonwhite collection, page 7105](#)

Shiva Crypto Legacy Candidate - Potential IP pathways

MJPE-COMplete-20260925-SHIVA-CRYPTO-LEGACY-ORANGE | Archive reference — disabled

Shiva Crypto Legacy Candidate / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Earlier Blue product entry records a separately governed external crypto candidate explicitly disabled and on active hold.

SPECIFIC CONTRACT SURFACE

- HistoricalEntry: BP-PROD-017
- Status: DISABLED_ACTIVE_HOLD
- LaterScope: internal-only Grey objective
- Reconciliation: dated scope difference

IMPLEMENTATION RELATIONSHIP

Later Grey register records an internal-only Day-1 objective; do not silently merge the two statuses.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A later internal update must not be represented as removal of the earlier external hold.

DISCOVERY NAMES

SHIVA-CRYPTO

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: historical_disabled.

Disabled historical record; not a current launch, token offer or live financial service.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1389
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1389>
- Recovered nonwhite collection, page 7105
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7105>

SOURCE REFERENCES

Recovered nonwhite collection, page 1389

Recovered nonwhite collection, page 7105

Shiva Shells - Potential IP pathways

MJPE-COMPLETE-20260925-SHIVA-SHELLS-ORANGE | Source-backed documentary sequence — execution not rerun

Shiva Shells / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Governed account envelopes carrying typed financial representations, source lineage, evidence and bounded relationships.

SPECIFIC CONTRACT SURFACE

- ShellId: governed account-envelope identity
- FinancialState: typed representations
- Provenance: source-bound evidence
- Authority: false; separate admission required

IMPLEMENTATION RELATIONSHIP

Distinct from Shiva capital proposals and SHIVAS internal reflections. The envelope cannot authorize itself.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A well-formed shell without separate custody or admission evidence must not authorize a transfer or enlarge its scope.

DISCOVERY NAMES

SHIVA_SHELL; Shiva shells

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_historical_reference.

authority=false; separate custody, scope and admission requirements remain applicable.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1327
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1327>
- Recovered nonwhite collection, page 7098
<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7098>
- Recovered nonwhite collection, page 394

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=394>

RECOVERED HISTORICAL CONTEXT

- Historical scope: Account family used with SHIVAS and the Teal/MJ development integration.
- Historical integration reported; account and authority contracts require their own source evidence.
- Historical evidence has not been rerun in this discovery pass.

SEPARATE HISTORICAL CONTRACT OUTLINE

- ShellIdentity — account and governing profile
- AccountState — exact holdings and sequence
- TransferContext — sender, recipient and allowed operation
- ShellReceipt — state change and provenance

IF

A Shell account participates in an admitted ledger instruction.

HOW

Resolve the account identities and exact state, apply the matching asset/profile rules and retain the sequence and reconciliation evidence.

THEN

Describe the accountable before/after state and any unmet authority condition.

This historical outline is separate from the current-source contract above. It does not establish native integration or newly executed results.

SOURCE REFERENCES

[Recovered nonwhite collection, page 1327](#)

[Recovered nonwhite collection, page 7098](#)

[Recovered nonwhite collection, page 394](#)

MJos Operating System - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-OPERATING-SYSTEM-ORANGE | Source-backed documentary sequence — execution not rerun

MJos Operating System / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Operating-system and infrastructure substrate identity for bounded resources, memory, storage, network, scheduling and continuity under the applicable MJ profile.

SPECIFIC CONTRACT SURFACE

- OperatingProfile: explicit proposed substrate
- ResourceLease: bounded MJ allocation
- ExecutionPlan: separately admitted work
- InfrastructureReceipt: isolation and continuity evidence

IMPLEMENTATION RELATIONSHIP

Distinct operating-system identity under MJ Physics Engineering. Existing hosted Bangel components and the MJos Predictive Model do not by themselves prove a completed bootable operating system.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

A successful hosted calculation must not be reported as a boot, isolation proof or operational OS result without corresponding executable evidence.

DISCOVERY NAMES

MJOS; MJos OS; MJOS-SUBSTRATE

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Historical reference or specification recovered. Its source status remains visible and is not promoted to a current standalone implementation.

Recovered status: documented_specification_candidate.

Source-described operating substrate; no complete bootable kernel, hardware platform or independently verified resource-isolation result is inferred.

SOURCE REFERENCES

- Recovered nonwhite collection, page 1305

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1305>

- Recovered nonwhite collection, page 1379

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=1379>

- Recovered nonwhite collection, page 7095

<https://drive.google.com/file/d/1RpxuVZjdCHSITNXIZZuWacJ1BNBAPCLv/view#page=7095>

SOURCE REFERENCES

[Recovered nonwhite collection, page 1305](#)

[Recovered nonwhite collection, page 1379](#)

[Recovered nonwhite collection, page 7095](#)

Bangel Database 1.0 - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-DATABASE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Database 1.0 / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Governed transaction and database work derived from the E012 sequence, with typed representation and runtime reconciliation.

SPECIFIC CONTRACT SURFACE

- DatabaseRequest — query, schema version, declared purpose
- TypedTransaction — values, constraints, visibility and isolation
- AuthorityEvidence — actor, scope and expiry
- TransactionReceipt — admitted outcome, uncertainty and lineage

IMPLEMENTATION RELATIONSHIP

Related identities: JP; Joanna Processing; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Submit a transaction with an incompatible schema or absent write authority; preserve refusal and unchanged state, even if its payload hash is valid.

DISCOVERY NAMES

Bangel Database 1.0

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical E012 and AR001 builds are reported; an independent current release and full native parity remain unverified.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Moana Service Desk - Potential IP pathways

MJPE-COMPLETE-20260925-MOANA-SERVICE-DESK-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Moana Service Desk / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

C# service workflow for customers, vessels, tickets, assignments, technician permissions, checklists, readings and service records.

SPECIFIC CONTRACT SURFACE

- UserIntent — requested workflow and context
- DomainRecord — versioned project data
- PermissionScope — actor and allowed operation
- WorkflowReceipt — observed result and provenance

IMPLEMENTATION RELATIONSHIP

Related identities: Moana; C# Engineering Studio. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Attempt a technician-only service transition from an unassigned account; retain the ticket history and reject the unauthorized state change.

DISCOVERY NAMES

Moana Service Desk

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

A local Linux demo with 21 integration tests was historically reported; Windows, macOS and hosted operation remain unverified. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Logical Layer 5 - Potential IP pathways

MJPE-COMPLETE-20260925-MJ-L5-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Logical Layer 5 / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Supervises neural and predictive proposals with independent gate precedence, operating modes, deadlines and recovery policy.

SPECIFIC CONTRACT SURFACE

- ModelProposal — candidate outcome and uncertainty
- IndependentEvidence — observations separate from the proposal
- GateDecision — PASS, HOLD or DENY with reasons
- SupervisionTrace — deadlines, retries and retained state

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Neural Net; MJ Memory Recall; MJos Predictive Model. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Feed a high-confidence prediction while an independent guardian veto is active; the forecast must not override that veto or deadline.

DISCOVERY NAMES

MJ Logical Layer 5

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Protected L5 test and ablation completion is reported; a plain-L5 extra HOLD remained separately unresolved. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MjQ - Potential IP pathways

MJPE-COMplete-20260925-MJQ-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MjQ / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Research family connecting structured language and JP concepts with qualified associative-memory and relational-context ideas.

SPECIFIC CONTRACT SURFACE

- ResearchHypothesis — stated idea and scope
- QualifiedAnalogy — source and biological or software context
- Observation — measured or synthetic evidence
- FalsificationCriterion — result that would challenge the hypothesis

IMPLEMENTATION RELATIONSHIP

Related identities: JP; MJ Neural Net; MJ Neural Logic. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare two matching cues under different coordinate or relation contexts; preserve uncertainty and distinguish associative retrieval from a verified causal explanation.

DISCOVERY NAMES

MjQ

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Research note; biological analogies and provisional lowercase r0 are not established biological mechanisms. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Self-Healing Kernel - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-SELF-HEALING-KERNEL-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Self-Healing Kernel / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Checkpoints state, contains runaway execution, supports recovery and evaluates proposed prediction updates with separate validation evidence.

SPECIFIC CONTRACT SURFACE

- Checkpoint — rooted recoverable state
- RecoveryProposal — intended bounded correction
- IndependentValidation — evidence for accepting a correction
- RecoveryReceipt — applied or retained state and reason

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Memory Recall; MJos Operating System; Teal. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Interrupt a bounded worker after a checkpoint; record recovery provenance and ensure the proposed recovered state is validated before reuse.

DISCOVERY NAMES

MJos Self-Healing Kernel
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Partial interfaces and development integration are reported; normal issuance and predictive key recovery were distinct historical paths. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Predictive Node Placement - Potential IP pathways

MJPE-COMPLETE-20260925-PREDICTIVE-NODE-PLACEMENT-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Predictive Node Placement / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Uses the previous verified outcome and earliest meaningful observation of the next command to prepare placement, then records actual outcome and variance.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Predictive Model; Teal; MJ Neural Net. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Give the next command an early observation that conflicts with the previous prediction; preserve both and reconcile against the actual outcome.

DISCOVERY NAMES

Predictive Node Placement

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Intended incremental loop and development integration; performance is workload-specific and requires verification. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Teal Ledger - Potential IP pathways

MJPE-COMPLETE-20260925-TEAL-LEDGER-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Teal Ledger / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Development ledger and contract execution family with exact decimal amounts, signed allocations, token-linked GIN evidence and mirror recovery.

SPECIFIC CONTRACT SURFACE

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

IMPLEMENTATION RELATIONSHIP

Related identities: SHIVAS; Shell Accounts; GIN; MJos Self-Healing Kernel. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Replay a signed allocation and attempt a decimal transfer beyond available atomic balance; reject duplicate or invalid state transitions without rounding value.

DISCOVERY NAMES

Teal Ledger

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Local development builds and benchmarks reported; distributed deployment and full release contracts remain open.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

SHIVAS Ledger Profile - Potential IP pathways

MJPE-COMPLETE-20260925-SHIVAS-LEDGER-PROFILE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

SHIVAS Ledger Profile / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named asset in the Teal development ledger, using exact atomic balances and governed transfers.

SPECIFIC CONTRACT SURFACE

- AssetProfile — identity, denomination and transfer rules
- ExactBalance — atomic units and evidence
- TransferProposal — source, destination and scope
- AssetReceipt — conserved state and lineage

IMPLEMENTATION RELATIONSHIP

Related identities: SHIVAS Internal Reflection; Shiva; Shiva Shells; Teal Ledger. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Transfer one atomic unit at the exact balance boundary and then one unit beyond it; document valid arithmetic separately from permission to transfer real value.

DISCOVERY NAMES

SHIVAS Ledger Profile

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

This later ledger profile must not overwrite the nontransferable SHIVAS Internal Reflection source profile. Development ledger identity; no independent production asset or value claim is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Digital Twin - Potential IP pathways

MJPE-COMPLETE-20260925-DIGITAL-TWIN-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Digital Twin / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Records observations and compares predicted and received command behavior within development workflows.

SPECIFIC CONTRACT SURFACE

- ObservedState — actual received data
- PredictedState — candidate continuation or placement
- Comparison — difference with confidence and uncertainty
- TwinReceipt — observation, prediction and evidence boundary

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Predictive Model; Teal Ledger. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Change a received command result after fixing its prediction; keep the original prediction and add a separately timestamped discrepancy receipt.

DISCOVERY NAMES

MJ Digital Twin

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

First received-byte observation was historically reported; prediction is not a verified substitute for actual authenticated input.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Quantum Water Protection - Potential IP pathways

MJPE-COMplete-20260925-MJ-QUANTUM-WATER-PROTECTION-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Quantum Water Protection / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Water-protection project associated with Hagar, combining software references and preliminary engineering designs.

SPECIFIC CONTRACT SURFACE

- WaterSystemBoundary — components and intended purpose
- Measurement — units, sensor or simulation origin
- ProtectionProposal — proposed bounded action
- ValidationRecord — software, bench or field evidence

IMPLEMENTATION RELATIONSHIP

Related identities: Hagar; Bangel Language. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Supply a simulated sensor series as if it were field water evidence; require clear provenance and prevent a treatment-performance claim from that series.

DISCOVERY NAMES

MJ Quantum Water Protection
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical source and package lineage; the name does not establish experimentally validated quantum protection. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Cloud - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-CLOUD-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cloud / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Project and document workspace with build environments, importing, search, backups and planned hosted access.

SPECIFIC CONTRACT SURFACE

- ProjectManifest — source, documents and versions
- WorkspaceAction — edit, import, build or restore
- AccessContext — actor and declared scope
- WorkspaceReceipt — artifact, checkpoint and status

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Workspace; Shekina; Bangel Physics Lab; Bangel Statistics Lab. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Import two projects with the same file name but different roots; preserve source identities, access boundaries and recoverable versions.

DISCOVERY NAMES

Bangel Cloud

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Local checkpoints and cloud preparation are reported; earlier AWS deployment was explicitly pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Workspace - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-WORKSPACE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Workspace / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Local project workspace retaining source imports, experiments, learning material and recoverable checkpoints.

SPECIFIC CONTRACT SURFACE

- ProjectManifest — files and version lineage
- ImportRecord — original and derived artifact
- ExperimentRecord — inputs, outputs and context
- RecoveryCheckpoint — verified save and restore record

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Cloud; Physics Lab; Statistics Lab. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Restore a checkpoint after modifying an experiment; identify the exact restored bytes and keep the newer experiment discoverable as a separate version.

DISCOVERY NAMES

Bangel Workspace
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local checkpoint packages; complete current source and durable-save status require recovery. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Physics Lab - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-PHYSICS-LAB-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Physics Lab / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Interactive foundational physics formulas, adjustable inputs, plots and downloadable language examples.

SPECIFIC CONTRACT SURFACE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Workspace; Bangel Language. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Enter physically incompatible units in a formula example; produce an explicit constraint result rather than a plausible-looking numerical answer.

DISCOVERY NAMES

Bangel Physics Lab
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical 100-method local lab; native execution coverage differed by language and checkpoint. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Statistics Lab - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-STATISTICS-LAB-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Statistics Lab / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Statistics experiments with descriptive measures, plots, probability/bootstrap lessons, saved data and exports.

SPECIFIC CONTRACT SURFACE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Workspace; Bangel Language. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare a missing observation with an actual zero and vary a resampling seed; preserve missingness and reproducible statistical assumptions.

DISCOVERY NAMES

Bangel Statistics Lab
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical local learning workbench; it was not yet a 100-method catalog. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Encrypted Message API - Potential IP pathways

MJPE-COMplete-20260925-MJ-ENCRYPTED-MESSAGE-API-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Encrypted Message API / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

C# API and demonstration client for authenticated encrypted messages with explicit tamper-detection and replay limitations.

SPECIFIC CONTRACT SURFACE

- ProtocolRequest — endpoint, version and payload
- AuthenticationEvidence — key-bound integrity result
- ProtocolDecision — accepted or rejected with reason
- ResponseReceipt — result and documented limitations

IMPLEMENTATION RELATIONSHIP

Related identities: C# Engineering Studio. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Alter an authenticated message and replay a previously accepted packet; report tamper and replay behavior separately under the declared protocol.

DISCOVERY NAMES

MJ Encrypted Message API
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical cross-platform tests and public repository reported; identity, truth and freshness are not established by message acceptance. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Interoperability - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-INTEROP-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Interoperability / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Language-neutral API and bindings across supported Python, JavaScript/TypeScript, C++, Rust and R integration tracks.

SPECIFIC CONTRACT SURFACE

- BindingContract — language and protocol version
- TypedRequest — representation and effects
- InteropResult — output or named failure
- ParityEvidence — platform and matching contract

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Language; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Pass an unknown field, an unsupported numeric value and a version mismatch through each claimed binding; compare protocol outcomes without assuming parity.

DISCOVERY NAMES

Bangel Interoperability

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Some released integration families are reported; each binding needs its own supported-contract and parity record. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Teaching Pathway - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-TEACHING-PATHWAY-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Teaching Pathway / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Progressive explanations and paired C#/Bangel lessons covering language fundamentals, variance, GIN and node logic.

SPECIFIC CONTRACT SURFACE

- LearningObjective — supported concept
- WorkedExample — source and grammar profile
- Comparison — C# and Bangel behavior
- PracticeEvidence — expected result and explanation

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Language; C# Engineering Studio. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Translate a lesson between C# and Bangel and verify equivalent inputs, units and visible outcomes; mark features whose toolchain support is only proposed.

DISCOVERY NAMES

Bangel Teaching Pathway
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Recovered document and repository pathway; teaching examples must match the implemented grammar. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Java Work Order API - Potential IP pathways

MJPE-COMPLETE-20260925-JAVA-WORK-ORDER-API-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Java Work Order API / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Assisted Java/Spring REST starter for work orders, validation, persistence, status transitions and structured errors.

SPECIFIC CONTRACT SURFACE

- Lesson — concept and versioned source
- ExperimentInput — value, unit and assumption
- ExampleResult — computed or illustrative output
- LearningEvidence — execution environment and limits

IMPLEMENTATION RELATIONSHIP

Related identities: Engineering Studio; Java Learning Pathway. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Try an invalid work-order status transition and malformed required field; preserve structured errors and the previous stored record.

DISCOVERY NAMES

Java Work Order API
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical clean build and nine tests reported; learner mastery and production suitability are separate. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Artifact Integrity Service - Potential IP pathways

MJPE-COMPLETE-20260925-ARTIFACT-INTEGRITY-SERVICE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Artifact Integrity Service / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Proposed Java service for deterministic file manifests and detection of added, missing, modified, duplicate or unsafe files.

SPECIFIC CONTRACT SURFACE

- ProposedCapability — purpose and scope
- ArtifactManifest — paths, sizes and hashes
- DifferenceReport — added, missing or changed entries
- ImplementationEvidence — source and test status

IMPLEMENTATION RELATIONSHIP

Related identities: Java Work Order API; Bangel Interoperability. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare manifests after adding, removing and modifying files, including an unsafe path; distinguish each change and refuse traversal outside the allowed root.

DISCOVERY NAMES

Artifact Integrity Service
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_proposal`.

Architecture and learning proposal; a completed implementation was not established in the reviewed turns. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Manifest - Potential IP pathways

MJPE-COMPLETE-20260925-MANIFEST-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Manifest / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Separate Tide Casa vertical for models and influencers, with profiles, booking concepts and creator presentation.

SPECIFIC CONTRACT SURFACE

- CreatorProfile — declared public presentation
- BookingIntent — proposed service and availability
- PrototypeEvent — simulated interaction
- IntegrationStatus — connected or pending service

IMPLEMENTATION RELATIONSHIP

Related identities: Tide Casa. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Attempt to turn an incomplete creator profile into a confirmed booking; preserve the distinction between presentation, availability and accepted booking authority.

DISCOVERY NAMES

Manifest

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Private UI prototype with simulated bookings and alerts; earlier user direction explicitly kept it separate from approved BarTide/Tide Casa builds. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Tide Casa - Potential IP pathways

MJPE-COMPLETE-20260925-TIDE-CASA-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Tide Casa / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Customer-facing application business and service platform, with BarTide as its restaurant vertical.

SPECIFIC CONTRACT SURFACE

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

IMPLEMENTATION RELATIONSHIP

Related identities: BarTide; Engineering Studio; MJ Physics Engineering. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Route the same account through two service verticals; preserve each business context, billing purpose and client authorization.

DISCOVERY NAMES

Tide Casa
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historically deployed C# product; public branding should remain distinct from internal engineering roles. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Capture - Potential IP pathways

MJPE-COMPLETE-20260925-VARIANCE-CAPTURE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Capture / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Records the difference between predictions and observed outcomes without erasing uncertainty or granting new authority.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: GIN; Predictive Node Placement; MJos Predictive Model. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Record opposite signed deviations from the same fixed prediction; retain sign, units, uncertainty and original observation timestamps.

DISCOVERY NAMES

Variance Capture

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Recovered named mechanism; numeric and governance semantics are profile-specific. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Variance Pool - Potential IP pathways

MJPE-COMplete-20260925-VARIANCE-POOL-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Pool / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named allocation and evidence concept in the historical language and teaching material.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: GIN; Teal; MJ Permission. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Request allocation from evidence with incompatible units or missing provenance; keep the unresolved allocation visible and do not create usable authority.

DISCOVERY NAMES

Variance Pool

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Recovered concept; a current executable allocation contract must be identified before claiming runtime behavior. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Rain - Potential IP pathways

MJPE-COMPLETE-20260925-RAIN-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Rain / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named concept in the variance and predictive-node documentation family.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: GIN; Umbrella; Pearls. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Try to derive executable behavior from the recovered concept name alone; require a recovered formal definition and a versioned contract before assigning capability.

DISCOVERY NAMES

Rain

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; exact semantics should be tied to the governing source profile. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Umbrella - Potential IP pathways

MJPE-COMPLETE-20260925-UMBRELLA-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Umbrella / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named concept associated with variance, GIN and node logic.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: GIN; Rain; Smoke. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Attempt to collapse an unresolved uncertainty envelope into a scalar certainty; preserve the selected definition and its unresolved implementation boundary.

DISCOVERY NAMES

Umbrella

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `documented_mechanism_source_pending`.

Reference recovered; current implementation is not established by name alone. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Smoke - Potential IP pathways

MJPE-COMPLETE-20260925-SMOKE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Smoke / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

Named concept in the variance, GIN and node-logic teaching sequence.

SPECIFIC CONTRACT SURFACE

- SourceProfile — exact mechanism definition
- InputObservation — value, unit, context and provenance
- MechanismResult — profile-bound interpretation
- EvidenceGap — missing rule, source or measurement

IMPLEMENTATION RELATIONSHIP

Related identities: GIN; Umbrella. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Present an ambiguous indicator as a verified observation; retain its evidence class and refuse an unsupported promotion to fact.

DISCOVERY NAMES

Smoke

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: documented_mechanism_source_pending.

Reference recovered; precise rules and runtime support require source reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

BlueWater - Potential IP pathways

MJPE-COMPLETE-20260925-BLUEWATER-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Localized websites and apps for small businesses, beginning with Clearwater and designed for regional editions.

SPECIFIC CONTRACT SURFACE

- MarketProfile — location and customer need
- ServiceBrief — scope and deliverables
- PilotEvidence — observed customer workflow
- DeliveryRecord — approved state and support boundary

IMPLEMENTATION RELATIONSHIP

Related identities: Lola; Tide Casa. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Duplicate a regional template for another business; preserve the client-specific content, permissions and distinction between preview and release.

DISCOVERY NAMES

BlueWater

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private pilot and website records; the relationship to later Tide Casa branding requires explicit provenance rather than assuming an automatic rename. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Lola - Potential IP pathways

MJPE-COMPLETE-20260925-LOLA-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Lola / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Customer-facing planning and concierge guide for the BlueWater service workflow, with package guidance and human handoff.

SPECIFIC CONTRACT SURFACE

- CustomerIntent — stated need and context
- ServiceKnowledge — approved scope and wording
- Recommendation — bounded option and explanation
- HandoffRecord — unresolved question and human owner

IMPLEMENTATION RELATIONSHIP

Related identities: BlueWater. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Give the concierge a request beyond its configured service package; retain the question and route the unresolved commitment to a human decision.

DISCOVERY NAMES

Lola

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical guided prototype; voice, live service integrations and current hosting should be verified separately. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Leverage Analyst - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-ANALYST-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Analyst / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Football analysis workspace for playbook geometry, film review, snap/formation/front/coverage/technique registration and evidence-qualified physics.

SPECIFIC CONTRACT SURFACE

- PlaybookEntry — model geometry and assignments
- FilmObservation — frame, timestamp and confidence
- ContextRecord — external play-by-play or coaching input
- AnalysisReceipt — measured versus modeled conclusion

IMPLEMENTATION RELATIONSHIP

Related identities: Physics Football; Lecanto; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare a playbook route with an uncertain film track; preserve calibration, frame provenance and the distinction between modeled and observed movement.

DISCOVERY NAMES

Physics-Based Play Analysis

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical owner-only alpha; playbook models and fallback play-by-play context are not independently verified film observations. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Leverage Physics Lab - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-PHYSICS-LAB-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Physics Lab / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Educational video and physics lab with field calibration, tracking, timing and exportable receipts.

SPECIFIC CONTRACT SURFACE

- VideoReference — local or embedded source
- FieldCalibration — landmarks and coordinate transform
- TrackedPoint — time, position and confidence
- EducationalReceipt — calculation and limitations

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Leverage Analyst; Lecanto; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Change field calibration while holding pixel tracks constant; show its effect on distance and speed, preserving uncertainty and reproducible timing.

DISCOVERY NAMES

Physics-Based Play Analysis

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical separate alpha; YouTube review used manual timestamps and coordinates, with no automatic access to embedded video frames. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Cybernetic Framework - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-CYBERNETIC-FRAMEWORK-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cybernetic Framework / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Connects targets, measurements, differences, authorized corrections, consequences and reconciliation through JP.

SPECIFIC CONTRACT SURFACE

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

IMPLEMENTATION RELATIONSHIP

Related identities: JP; GIN; Joanna Processing; MJ Permission. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Propose a correction that reduces measured error but exceeds allowed authority; reject the action while preserving the analytical result.

DISCOVERY NAMES

Bangel Cybernetic Framework

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Recovered architecture; individual executable pathways need source-level reconciliation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Software Supply Trust - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-SOFTWARE-SUPPLY-TRUST-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Software Supply Trust / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Proposed software-assurance product connecting cryptographic dependencies, deterministic release evidence, authorization and recovery after signing-key compromise.

SPECIFIC CONTRACT SURFACE

- ReleaseArtifact — source and build lineage
- CryptographicInventory — observed dependency evidence
- ReleaseAuthorization — permitted signing or distribution scope
- RecoveryEvidence — rehearsed response and retained history

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Quantum; Bangel Language; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Revoke a signing key after a release and replay its old attestation; distinguish historical signature validity from current admission and recovery policy.

DISCOVERY NAMES

MJos Software Supply Trust

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product proposal and pilot definition; current implemented product source must be recovered before making operational claims. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Marine Trust - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-MARINE-TRUST-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Marine Trust / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Proposed trust layer for marine digital supply chains, connecting supplier firmware, vessel integration, service and fleet evidence.

SPECIFIC CONTRACT SURFACE

- SupplierArtifact — firmware or software provenance
- VesselIntegration — system and version
- ServiceEvent — observed maintenance action
- TrustDecision — evidence-based permitted operation

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway; MJ Marine. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Present supplier firmware evidence for the wrong vessel configuration; preserve the mismatch and hold admission despite a valid supplier signature.

DISCOVERY NAMES

MJos Marine Trust

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Product concept with historical logo proposals; production deployment and physical assurance are not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

QSHM - Potential IP pathways

MJPE-COMPLETE-20260925-QSHM-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

QSHM / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Custom hardware concept in the MJos Quantum security family, intended to follow validated software interfaces and customer use cases.

SPECIFIC CONTRACT SURFACE

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare a proposed hardware function with the validated software interface; mark missing device measurements and avoid reporting prototype or security-performance results.

DISCOVERY NAMES

QSHM

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Longer-term hardware proposal; no validated custom device or hardware security claim is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Trust Gateway - Potential IP pathways

MJPE-COMplete-20260925-TRUST-GATEWAY-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Trust Gateway / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Marine-facing hardware gateway concept for governed supplier, vessel and fleet evidence.

SPECIFIC CONTRACT SURFACE

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Marine Trust; QSHM. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Disconnect fleet connectivity during a proposed update; demonstrate the specified hold/recovery contract before inferring a safe physical gateway behavior.

DISCOVERY NAMES

Trust Gateway

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Historical future hardware concept; no completed hardware deployment is established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Marine - Potential IP pathways

MJPE-COMPLETE-20260925-MJ-MARINE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Marine / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Engineering decision-twin service and reference-model family for propulsion, thermal, energy and repower comparisons.

SPECIFIC CONTRACT SURFACE

- VesselProfile — operating boundary and duty cycle
- EngineeringAlternative — component or configuration option
- ModelEvidence — assumptions, inputs and validation
- DecisionReport — comparison and remaining uncertainty

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Physics Engineering; Marine Design-Decision Twin. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare two repower candidates with unequal source quality; expose assumptions, sensitivity and missing vessel measurements before ranking them.

DISCOVERY NAMES

MJ Marine

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical private website and reference-model package; recommendations remain dependent on actual vessel data and validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Marine Design-Decision Twin - Potential IP pathways

MJPE-COMPLETE-20260925-MARINE-DESIGN-DECISION-TWIN-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Marine Design-Decision Twin / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Compares a bounded set of vessel or propulsion design alternatives with explicit assumptions, uncertainty, data gaps and supporting evidence.

SPECIFIC CONTRACT SURFACE

- DecisionBoundary — vessel, question and alternatives
- OperatingProfile — load and duty cycle
- TwinResult — propulsion, thermal or energy estimate
- ValidationPlan — measurements needed to test the result

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Marine; MJ Physics Digital Twins. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Change a propulsion constraint after fixing a comparison set; retain the earlier assumptions and produce a new bounded decision receipt.

DISCOVERY NAMES

Marine Design-Decision Twin
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Reference model and consulting offer; physical performance requires independent measurements and project-specific validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJ Physics Digital Twins - Potential IP pathways

MJPE-COMPLETE-20260925-MJ-PHYSICS-DIGITAL-TWINS-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Physics Digital Twins / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Circuit-board-style modeling practice connecting a physical system, pre-observation model, measurement, GIN variance and bounded decisions.

SPECIFIC CONTRACT SURFACE

- PhysicalSystem — declared boundary
- ModelState — equations and assumptions
- Observation — measured input and provenance
- DecisionEvidence — comparison and supported conclusion

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Physics Engineering; GIN; Bangel Effect; MJ Marine. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare the pre-observation circuit model with measured inputs under changed units; preserve the model, conversion and residual evidence separately.

DISCOVERY NAMES

MJ Physics Digital Twins
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_proposal.

Historical consulting site and proposal family; known physics, modeled propositions and untested research remain distinct. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Effect - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-EFFECT-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Effect / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named research concept presented alongside R0, GIN and IF/HOW/THEN within digital-twin architecture.

SPECIFIC CONTRACT SURFACE

- ResearchDefinition — named effect and scope
- PhysicalModel — established laws and assumptions
- PredictedDifference — testable model outcome
- ExperimentalEvidence — observation or unresolved measurement

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Physics Digital Twins; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Ask a visualization or simulated residual to establish a new physical effect; require independent experimental evidence and preserve the research-only status.

DISCOVERY NAMES

Bangel Effect
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Research identity; a name and visual explanation do not establish a newly observed physical law. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Media Compressor - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-MEDIA-COMPRESSOR-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Media Compressor / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

JP-rooted media/compression development with exact arithmetic, resource receipts, codec staging and independently gated trial/rollback decisions.

SPECIFIC CONTRACT SURFACE

- MediaSource — original bytes and provenance
- CodecProfile — implementation and supported subset
- CandidateTrial — proposed reversible path and resource evidence
- DecodeEvidence — independent restoration, quality and performance

IMPLEMENTATION RELATIONSHIP

Related identities: JP; Joanna Processing; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Round-trip a bounded media sample under the declared codec and resource limit; separately report distortion, exactness claims, resource receipts and rollback conditions.

DISCOVERY NAMES

Bangel Media Compressor

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Partial internal JP/AV1 sequence; native AV1 completion, independent decoding and compression superiority were explicitly not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel C++ Service Adapter - Potential IP pathways

MJPE-COMPLETE-20260925-CPP-SERVICE-ADAPTER-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel C++ Service Adapter / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

C++17 adapter for calling the Bangel language service through the supported protocol.

SPECIFIC CONTRACT SURFACE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Send a malformed protocol response and unsupported version through the C++ adapter; retain structured failure without silently accepting incompatible data.

DISCOVERY NAMES

Bangel C++ Service Adapter
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical released integration; current compatibility needs its own package and contract evidence. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

JP C++ Decimal Library - Potential IP pathways

MJPE-COMPLETE-20260925-CPP-DECIMAL-LIBRARY-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

JP C++ Decimal Library / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Native decimal operations with a C interface and C++ wrapper.

SPECIFIC CONTRACT SURFACE

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Interoperability; R jpdecimal. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Exercise an exact decimal boundary and an overflow across the C and C++ interfaces; compare values and explicit failure contracts without binary floating-point substitution.

DISCOVERY NAMES

JP C++ Decimal Library
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical integration source; numeric behavior and memory ownership must stay tied to its specific contract. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Rust Service Adapter - Potential IP pathways

MJPE-COMPLETE-20260925-RUST-SERVICE-ADAPTER-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Rust Service Adapter / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Rust adapter with protocol handling, examples and tests for the language service.

SPECIFIC CONTRACT SURFACE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Cancel a service request and then deliver a late response; preserve request identity, protocol validity and cancellation semantics.

DISCOVERY NAMES

Bangel Rust Service Adapter
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical integration source; separate from a native Rust implementation of the entire language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

R jpsservice - Potential IP pathways

MJPE-COMPLETE-20260925-R-JPSERVICE-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpsservice / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

R package for calling the Bangel language service.

SPECIFIC CONTRACT SURFACE

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Interoperability; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Send a vector containing missing and zero values through the service binding; preserve each distinction or report an unsupported conversion.

DISCOVERY NAMES

R jpsservice

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical released integration; not interchangeable with the separately named encrypted-message API. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

R jpdecimal - Potential IP pathways

MJPE-COMPLETE-20260925-R-JPDECIMAL-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpdecimal / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

R package exposing the native decimal library.

SPECIFIC CONTRACT SURFACE

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

IMPLEMENTATION RELATIONSHIP

Related identities: JP C++ Decimal Library; Bangel Interoperability. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Round-trip a long decimal through the native and R boundaries; preserve exact representation and report unsupported range without silent rounding.

DISCOVERY NAMES

R jpdecimal

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical released integration; precise numeric semantics depend on the native-library contract. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Studios - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-STUDIOS-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Studios / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Music-production workspace combining drum, bass, strings and vocal lanes, instrument controls, project handling and evidence-aware processing.

SPECIFIC CONTRACT SURFACE

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Drums; Bangel Infinity; Bangel Media Compressor; Elsa Compiler; JP. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reload a project with synchronized drum, bass and vocal lanes; compare tempo, event timing and declared processing without assuming native plug-in equivalence.

DISCOVERY NAMES

Bangel Studios

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical browser studio versions were reported; native plug-in packaging, commerce and production hosting are separate delivery lanes. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Drums - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-DRUMS-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Drums / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Drum-sequencer branch of Bangel Studios with grid-based steps, drum voices, bass and synchronized musical lanes.

SPECIFIC CONTRACT SURFACE

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Studios; JP; Joanna Processing. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Replay a fixed tempo and step pattern, then alter one step; compare deterministic event scheduling and state while keeping browser and native audio lanes distinct.

DISCOVERY NAMES

Physics Drum Sequencer; Drum Sequencer
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Historical browser versions and downloadable build kits; native audio-host validation remains a separate requirement.

Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

RECOVERED HISTORICAL CONTEXT

- Historical scope: Music/sequencing product family with JP-domain and deterministic runtime lineage.

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Infinity - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-INFINITY-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Infinity / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Named processing profile within the historical Bangel Studios music workflow.

SPECIFIC CONTRACT SURFACE

- AudioInput — source and provenance
- ProcessingProfile — named controls and limits
- RenderedOutput — format and timing
- ComparisonEvidence — observed change and fidelity

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Studios. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Apply the named processing profile to the same saved input twice; record the specified parameters and avoid inferring an undocumented algorithm from the product name.

DISCOVERY NAMES

Bangel Infinity
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Profile named in the studio release record; a separately installed product or independently validated processing advantage is not established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Compiler Lab - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-COMPILER-LAB-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Compiler Lab / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Compiler and media-codec development lab with Elsa, rooted JP-IR, staged backend plans and explicit evidence gates.

SPECIFIC CONTRACT SURFACE

- SourceProfile — admitted syntax and version
- TypedRepresentation — JP-IR identity and constraints
- DevelopmentStage — implemented, partial or held
- ConformanceEvidence — exact fixture and expected result

IMPLEMENTATION RELATIONSHIP

Related identities: Elsa Compiler; JP; Joanna Processing; Bangel Media Compressor. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compile an unsupported backend or codec request through Elsa; preserve a precise unsupported result instead of claiming all staged backends are implemented.

DISCOVERY NAMES

Bangel Compiler Lab

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private development build; unfinished codec, self-hosting and external verification work must stay visible. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Debt Analytics - Potential IP pathways

MJPE-COMPLETE-20260925-BANGEL-DEBT-ANALYTICS-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Early debt-evaluation and negotiation analytics framework using layered modeling and calibrated constructs for complexity, difficulty, risk, opportunity and priority.

SPECIFIC CONTRACT SURFACE

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

IMPLEMENTATION RELATIONSHIP

Related identities: Construct Framework; MJos Predictive Model. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Vary one debt-model input with fixed calibration rules; show how scores change and keep exploratory prioritization separate from a validated financial conclusion.

DISCOVERY NAMES

Bangel Debt Analytics

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical architecture and specifications; this distinct analytics lineage must not be presented as the current executable language. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Construct Framework - Potential IP pathways

MJPE-COMPLETE-20260925-CONSTRUCT-FRAMEWORK-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Construct Framework / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Reusable construct-estimation interface whose internal pipeline normalizes, orients, weights, aggregates and classifies inputs under declared rules.

SPECIFIC CONTRACT SURFACE

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

IMPLEMENTATION RELATIONSHIP

Related identities: Bangel Debt Analytics; MJos Predictive Model. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Reverse an input orientation and remove a required weight; preserve the normalization rule and expose the missing aggregation prerequisite.

DISCOVERY NAMES

Construct Framework
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Proposed architecture; a shared interface does not by itself prove calibration or validated predictions. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

BlueWater Studio - Potential IP pathways

MJPE-COMPLETE-20260925-BLUEWATER-STUDIO-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

White-label website and application delivery lane within the historical BlueWater service platform.

SPECIFIC CONTRACT SURFACE

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

IMPLEMENTATION RELATIONSHIP

Related identities: BlueWater; Lola; Engineering Studio. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Promote a client preview through a proposed release workflow; require the correct client identity and approved content before recording a published result.

DISCOVERY NAMES

BlueWater Studio
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: `historical_report_not_fresh_verification`.

Planning and prototype history; do not conflate with the current C#/Bangel Engineering Studio or approved Tide Casa deployment. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Document Library - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-DOCUMENT-LIBRARY-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Earlier searchable archive with namesake collections, color organization and page-level indexing; source lineage for the current Teal library.

SPECIFIC CONTRACT SURFACE

- DocumentIdentity — project, color and source version
- PageReference — original page and derived edition
- SearchEntry — indexed text and provenance
- CoverageRecord — included, excluded or unavailable source

IMPLEMENTATION RELATIONSHIP

Related identities: Teal Library; MJ Physics Engineering. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Search the same term by color, project and page; preserve source lineage and distinguish historical archive records from rewritten documentation.

DISCOVERY NAMES

Bangel Document Library
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_report_not_fresh_verification.

Historical private archive reported 340 documents and 28,902 searchable pages; full bytes and access are separate from this chat-index recovery. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Bangel Visual Effects - Potential IP pathways

MJPE-COMplete-20260925-BANGEL-VISUAL-EFFECTS-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

User-named visual-effects project within the Bangel family. Recover its exact source and feature boundaries while relating it to the separate Lecanto rendering and Bangel Effect research records.

SPECIFIC CONTRACT SURFACE

- ProjectIdentity — user-confirmed name
- SourceReference — pending original specification
- ProposedScope — unconfirmed product boundary
- RecoveryGap — evidence still required

IMPLEMENTATION RELATIONSHIP

Related identities: Lecanto; Bangel Effect; Bangel Language. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare a transformation against its source image and requested effect; document the exact transformation and keep scientific-effect claims outside unverified VFX scope.

DISCOVERY NAMES

Bangel visual effects
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Historical project name confirmed by the user; exact source scope remains pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Silent Guardian - Potential IP pathways

MJPE-COMplete-20260925-SILENT-GUARDIAN-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Silent Guardian / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Observes transaction behavior and refines deterministic estimates while preserving the distinction between authenticated and simulated telemetry, bounded corrections and hardened evidence receipts.

SPECIFIC CONTRACT SURFACE

- TelemetryRecord — authenticated or simulated origin, measurement and provenance
- RefinementState — deterministic estimate and covariance
- BoundedCorrection — proposed change and declared authority
- ObserverReceipt — baseline, evidence and preserved outcome

IMPLEMENTATION RELATIONSHIP

Related identities: Elsa Compiler; JP Representation; Joanna Processing; GIN Measurement; MJos Quantum Security; Perth. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Mix authenticated telemetry with simulated samples and exceed a correction envelope; preserve provenance, enforce bounds and report incomplete instrumentation.

DISCOVERY NAMES

Silent Guardian

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: historical_reference_baseline_partial_integration.

Historical baseline package and tests were reported; their archives and tests were not freshly recovered or rerun in this pass. Universal Elsa/JP/Joanna instrumentation and full active-runtime unification remained incomplete in the later review. Kalman refinement was deterministic estimation; fractal stability was a hypothesis and superdense coding was an ideal simulation, without physical-entanglement or performance-advantage evidence.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Aviator Cloud - Potential IP pathways

MJPE-COMplete-20260925-AVIATOR-CLOUD-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Aviator Cloud / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

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ENGINEERING CONTRIBUTION

User-named cloud-facing Aviator product lane. Its documentation connects the Aviator application workspace with the broader Bangel Cloud and Shekina continuity architecture, keeping each role identifiable.

SPECIFIC CONTRACT SURFACE

- WorkspaceIdentity — Aviator product lane
- ServiceBoundary — local or hosted responsibility
- ContinuityReference — related Shekina role
- DeploymentEvidence — actual connected environment

IMPLEMENTATION RELATIONSHIP

Related identities: Aviator Workspace; Bangel Cloud; Shekina Continuity. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Describe a cloud task without a recovered deployment contract; retain the proposed workspace relationship and mark hosting, execution and continuity support as unresolved.

DISCOVERY NAMES

Aviator Cloud

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Aviator and cloud roles are historically documented; the exact combined product source and deployment remain pending. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Neurological Model - Potential IP pathways

MJPE-COMPLETE-20260925-MJOS-NEUROLOGICAL-MODEL-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

User-named model family connecting neural association, relational context, episodic recall, predictive comparison and supervised decisions in the MJos ecosystem.

SPECIFIC CONTRACT SURFACE

- Observation — retained input and context
- MemoryCandidate — recalled relation with uncertainty
- PredictiveProposal — candidate outcome
- SupervisionDecision — independent gate and trace

IMPLEMENTATION RELATIONSHIP

Related identities: MJ Neural Net; MJ Memory Recall; MJ Logical Layer 5; Neural Logic Mapping; MJos Predictive Model. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Retrieve a similar memory in a different context; preserve relation and uncertainty, then require independent supervision before any proposed decision is admitted.

DISCOVERY NAMES

MJos Neurological Model

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: source_recovery_pending.

Related Neural Net, Memory Recall and L5 histories are recovered; the exact older umbrella specification remains pending. This is software research, not clinical or biological validation. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Mermaid Quantum Blockchain - Potential IP pathways

MJPE-COMplete-20260925-MERMAID-QUANTUM-BLOCKCHAIN-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

User-named blockchain project grouping connecting Mermaid financial meaning and reconciliation with the distinct Teal ledger development lineage.

SPECIFIC CONTRACT SURFACE

- LedgerInstruction — asset, account and intended operation
- ExactAmount — units, scale and conservation rule
- AdmissionEvidence — identity, scope and validated conditions
- LedgerReceipt — before/after state, evidence and reconciliation

IMPLEMENTATION RELATIONSHIP

Related identities: Mermaid Reconciliation; Teal Ledger; Shiva; Shiva Shells; GIN. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Map a Mermaid obligation to a ledger record; require an explicit semantic adapter and do not infer quantum security or a unified deployed chain.

DISCOVERY NAMES

Mermaid quantum blockchain

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.

Recovered status: related_sources_integration_pending.

Component histories are recovered separately; a completed integrated quantum blockchain, quantum-security advantage or production network has not been established. Historical evidence has not been rerun in this discovery pass.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

Perth - Potential IP pathways

MJPE-COMPLETE-20260925-PERTH-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Perth / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Governed full-stack consolidation framework organizing the language, compiler, representation, runtime, observer and domain modules into explicit active, historical, experimental and external-evidence boundaries.

SPECIFIC CONTRACT SURFACE

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

IMPLEMENTATION RELATIONSHIP

Related identities: MJos Operating System; Bangel Language; Elsa Compiler; JP Representation; Joanna Processing; Silent Guardian. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Import a historical module into the consolidation map; preserve its historical status and prevent documentation inclusion from marking it active or integrated.

DISCOVERY NAMES

Perth

These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: documented_successor_framework_proposal.
Recovered historical specification or architecture; no fresh product execution is claimed.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.

MJos Quantum: Living Water - Potential IP pathways

MJPE-COMPLETE-20260925-LIVING-WATER-ORANGE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Orange

MJ Physics Engineering | Bangel Language | MJos Operating System
Owned and operated by Michael Bangel | Clearwater, Florida

ENGINEERING CONTRIBUTION

Water-facility retrofit and community design platform connecting operating evidence, bounded recovery and QSHM receipts with process models, budgeting, engineering education and a scale-aware design workspace.

SPECIFIC CONTRACT SURFACE

- FacilityContext — existing process, scale and purpose
- OperatingEvidence — units, calibration, uncertainty and provenance
- ScenarioBudget — assumptions and projections separated from verified savings
- WaterSystemReceipt — accepted or held outcome, authority and lineage

IMPLEMENTATION RELATIONSHIP

Related identities: Hagar; MJ Quantum Water Protection; Perth. Preserve each named contract and source status.

PROVENANCE REGISTER

The cited source establishes the recovered role and its stated development status. Compare actual implementation, contributor work, source versions and prior work before assessing a contribution claim. This paper does not determine patentability, ownership, inventorship or an invention count.

ATTRIBUTION RULE

The MJ Physics Engineering identity does not relicense source dependencies or remove existing notices.

EVIDENCE TO COLLECT

Compare a projected retrofit saving with verified facility measurements; preserve the stated zero verified savings and require independent water-quality and hardware evidence before physical deployment claims.

DISCOVERY NAMES

MJos Living Water; Living Water
These names aid search; current compiler naming remains Elsa.

SOURCE STATUS AND LIMITS

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun.
Recovered status: historical_website_and_reference_design_not_physical_validation.
Historical website and reference-design evidence; no physical water-quality, hardware-performance or cyber-survival validation. The 57% savings target was explicitly \$0 verified savings. A later user correction focuses the platform on retrofitting existing facilities.

SOURCE REFERENCES

PUBLIC SOURCE NOTE

Recovered historical design and project records informed this documentary profile. Original conversations remain private; current implementation and reported historical tests were not rerun. This edition publishes the reconciled project description, without redistributing private messages or unverified release URLs.