

Blue / 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 - Reference briefs

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

Elsa Compiler / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Parse source, resolve names and modules, check types, units and effects, then lower accepted syntax to the declared JP representation. Preserve source spans and precise diagnostics on refusal.

RESULT INTERPRETATION

Return typed JP-IR or a compile refusal. Compilation does not admit execution or grant MJ permission.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-JP-REPRESENTATION-BLUE | Source-backed documentary sequence — execution not rerun

JP Representation / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Independently check the closed envelope, canonical digest, types, cross-field relationships and resource limits. Keep JP-IR/1, JP-CIR and proposed architecture profiles separate.

RESULT INTERPRETATION

Return admission evidence for the exact representation. A digest match establishes identity, not semantic admission or permission.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-JOANNA-RUNTIME-BLUE | Source-backed documentary sequence — execution not rerun

Joanna Processing / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Execute bounded Joanna operations while preserving typed unknowns, stage evidence and runtime-limit failures.

RESULT INTERPRETATION

Return a digest-bound computation receipt with its actual status. HOLD stays visible even when a command exits successfully; the receipt is not action permission.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-JO-PROOF-BLUE | Source-backed documentary sequence — execution not rerun

JO Proof and Verification / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Compare evidence with that precise assertion and retain its source-profile meaning. Link runtime lineage to Joanna without equating every historical JO proof role with current execution.

RESULT INTERPRETATION

Return a scoped verification record, HOLD for missing evidence or DENY for a failed permission boundary.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Governing Root / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Reconcile participant results and resource bounds at the MJ boundary. Preserve refusals and missing prerequisites; umbrella metadata does not implement a root kernel, CAPO bus or lease ledger.

RESULT INTERPRETATION

Record the bounded decision supported by the implemented profile, or HOLD the proposed host behavior while its contract remains incomplete.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Robotics / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Express bounded measurement logic in Bangel; Elsa compiles, JP admission checks the representation and Joanna provides computation evidence. Distinguish observed state, simulation and planned hardware bindings.

RESULT INTERPRETATION

Return a measurement or advisory with uncertainty. Physical actuation requires a separate evidenced host contract.

RELATIONSHIP

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

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 - Reference briefs

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

Teal Robotics / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply the preserved Bangel risk source and near-miss templates through Elsa, independent JP admission and Joanna. Keep source hashes, thresholds and independent vetoes explicit.

RESULT INTERPRETATION

Return the bounded proposal gate result. No continuous-time control-barrier proof, physical actuation or live-trading capability is inferred.

RELATIONSHIP

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

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

[plugins/mj_predictive/src/mj_predictive/_teal/PLUGIN.json · line 1](#)

Bangel Native SDK - Reference briefs

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

Bangel Native SDK / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Use the syntax, semantics, Elsa compiler, admission, Joanna runtime and numerics boundaries; bind results to the actual package and source revision.

RESULT INTERPRETATION

Return typed diagnostics or an admitted computation receipt. Documentation alone does not establish a fresh .NET build or cross-host parity.

RELATIONSHIP

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

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

Bangel API - Reference briefs

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

Bangel API / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Validate the closed request schema, retain exact compiler/runtime protocol identities and return the relevant source-bound result. Host access and transport policy remain separate.

RESULT INTERPRETATION

Return a typed response or rejection; interface discovery does not establish a public production service.

RELATIONSHIP

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

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 - Reference briefs

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

MJPS Thermodynamics / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply the profile's steady thermoelectric calculations and proposal logic, preserving unknown temperatures, calibration evidence and its separate IR/receipt contract.

RESULT INTERPRETATION

Return a simulation proposal or HOLD with physical and authority effects NONE. This does not establish a physical controller or the full general-language grammar.

RELATIONSHIP

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

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 - Reference briefs

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

MJmri MRI Imaging / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve MRI measurement and DICOM interoperability obligations. Treat domain forms as research contracts until Elsa integration, representation generation and Joanna processing are demonstrated.

RESULT INTERPRETATION

Return a documentary case or bounded research proposal, preserving unknowns and implementation gaps. No diagnosis, patient release or MRI hardware control is created.

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.

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-PROFILE-AUDIT.md#L7>

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 - Reference briefs

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

MJMRI Optical Research / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Retain original pixels, label transformations and distinguish inferred surface geometry, synthetic anatomy priors and genuine MR evidence. Abstain beyond the input's evidence class.

RESULT INTERPRETATION

Return a labeled optical or surface-research artifact, without claiming unseen anatomy, MR signal or a clinical result.

RELATIONSHIP

Specialized MJMRI profile; camera evidence is not MRI.

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

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

Cubix - Reference briefs

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

Cubix / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind cell/node points to the same source root, validate bounds and preserve multiresolution lineage without extending observation below validated resolution.

RESULT INTERPRETATION

Return a rooted external-scene cell or HOLD invalid lineage or bounds. The cell does not identify unseen tissue.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Memory Kernel Adapters / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply Bangel transition/access rules through Elsa, independent JP admission and Joanna; bind stored evidence to checkpoints, retain prior generations and assess updates using held-out evidence.

RESULT INTERPRETATION

Return a lifecycle receipt or non-installing update assessment. No stage is skipped, old ID reused or model automatically installed.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Football Playbook / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Compare bounded episodic candidates and project source-backed geometry, preserving entity/relationship/context conflicts, curves and observation chronology.

RESULT INTERPRETATION

Return a physics-play analysis projection with its evidence or HOLD a context mismatch. Similarity is not calibrated probability or coaching approval.

RELATIONSHIP

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

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 - Reference briefs

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

MJ EGO REV / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Follow indexed Bangel energy-ledger and transition rules, preserve missing quantities and append source-bound receipts. Native/Bangel equivalence requires separate evidence.

RESULT INTERPRETATION

Return a bounded energy or transition outcome; a source index does not demonstrate a physical energy device.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-MJOS-QUANTUM-SECURITY-BLUE | Source-backed documentary sequence — execution not rerun

MJos Quantum Security / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Keep entropy health, risk policy, key lifecycle and receipts as distinct indexed components. Separate simulated input, validated external bits and hardware claims.

RESULT INTERPRETATION

Return a documentary protection outcome or hold. Indexed source does not establish measured quantum entropy, certified cryptography or a production guarantee.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-MIKA-PHYSICS-BLUE | Source-backed documentary sequence — execution not rerun

Mika / MK Physics / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Classify applicable physics, check dimensional compatibility and conservation boundaries, and carry uncertainty into the representation. Keep not-applicable distinct from a passed physical test.

RESULT INTERPRETATION

Return a scoped physics representation or unresolved requirement. A valid equation is not a measured physical result.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Angels Safety / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Evaluate domain-specific observation and corrective rules; preserve independent hold/denial decisions and evidence for proposed correction.

RESULT INTERPRETATION

Return a safety receipt. A correction request does not create execution permission or expand the Angel's domain.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Bellatrix Defense / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Inspect integrity, schema, replay and scope evidence using the applicable contract; preserve independent challenge and quarantine outcomes without changing evidence truth.

RESULT INTERPRETATION

Return defense or quarantine evidence. Defense success grants neither general admission nor financial authority.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Sister Prediction and Containment / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Model demand and anomalies, preserve predictive/simulation classes and propose buffers under the named profile. Keep pending GIN amendment implementation status explicit.

RESULT INTERPRETATION

Return forecast, reserve or containment evidence; HOLD missing or stale bindings. Simulation does not become observation or authorized physical containment.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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

EVE Variance and Egress - Reference briefs

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

EVE Variance and Egress / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Account for variance and residuals with units and uncertainty; preserve unmeasured loss as unknown instead of silently closing the balance.

RESULT INTERPRETATION

Return an observation/egress ledger or HOLD incomplete evidence. A residual does not prove its physical cause.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Mary / M3 Routing / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Route the request and account for use, pooling and returns within the lease; mediate peer handoffs through the applicable admission boundary.

RESULT INTERPRETATION

Return routing/allocation evidence or HOLD unavailable capacity. M3 cannot mint resources, widen leases or bypass denial.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Mermaid Reconciliation / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve balances, custody lineage and reconciliation history; assess financial implications only within Mermaid's own boundary without redefining measurement mathematics.

RESULT INTERPRETATION

Return a scoped account or reconciliation record with disputes visible. It does not execute a transfer or issue a product permit.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Shiva Capital Models / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Separate stability, investment and risk classifications; preserve reconciliation and independent reviews, treating distributions as model outputs.

RESULT INTERPRETATION

Return a bounded internal proposal or HOLD. No live transfer, market operation or external financial permission is created.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Shekina Continuity / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Distributed placement, replication, continuity, and infrastructure evidence.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Model bounded placement, replication and failover with source/target receipts. Preserve tenant boundaries and distinguish plans from observed recovery.

RESULT INTERPRETATION

Return placement/continuity evidence or HOLD unavailable targets. Infrastructure location does not confer authority.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Belle Engineering / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Review topology, assumptions and alternatives against the constraints; bind proposals to evidence and leave unsupported dimensions unresolved.

RESULT INTERPRETATION

Return an engineering proposal and risk note. Feasibility review does not prove physical performance or authorize manufacture.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

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

Aviator Workspace / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve decisions, knowledge references and role boundaries. Present evidence without turning measurements into ranking, punishment or financial permission.

RESULT INTERPRETATION

Return a bounded workspace/decision record or DENY an out-of-scope operation. Organizational context does not replace root authority.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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 - Reference briefs

MJPE-COMplete-20260925-CHI-BLUE | Source-backed documentary sequence — execution not rerun

CHI Temporal Variance / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve clocks, missing states and source-specific difference semantics; keep CHI distinct from GIN until an explicit verified mapping exists.

RESULT INTERPRETATION

Return temporal variance or HOLD incomparable states. Variance determines neither price nor execution permission.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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

[Recovered nonwhite collection, page 1318](#)

WATER Uncertainty - Reference briefs

MJPE-COMPLETE-20260925-WATER-BLUE | Source-backed documentary sequence — execution not rerun

WATER Uncertainty / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply interval and unknown-state rules with their source bounds; distinguish this family from Hagar control and the water-protection application.

RESULT INTERPRETATION

Return a scoped uncertainty class or HOLD. Classification grants neither authority nor financial value.

RELATIONSHIP

Named family identity; separate from color-paper identity.

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

[Recovered nonwhite collection, page 1319](#)

JP Semiconductor Phone - Reference briefs

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

JP Semiconductor Phone / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Represent static intake and solar-assist relationships; check units and reserve accounting without importing large-scale parameters.

RESULT INTERPRETATION

Return a design trace and missing measurement requirements. No physical phone, proven capacity or operating device is established.

RELATIONSHIP

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

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 - Reference briefs

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

JP Marine Power / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Model relationships within the marine profile, keeping classification, environment, loads and absent physical measurements unresolved.

RESULT INTERPRETATION

Return a marine design proposal, not vessel-operation or demonstrated propulsion evidence.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-JP-PEACEFUL-PROPULSION-BLUE | Source-backed documentary sequence — execution not rerun

JP Peaceful Propulsion / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Document bounded measurement/control requirements and independent safety evidence while retaining planned-only status.

RESULT INTERPRETATION

Return a research design record on hold; no launch, ignition, hardware operation or physical performance is established.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-SHIVA-RAILS-BLUE | Source-backed documentary sequence — execution not rerun

Shiva Dual Rails / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Keep liquidity-first constraints, risk models and rail accounting distinct; preserve exposure and reconciliation per source.

RESULT INTERPRETATION

Return an internal financial-rail model or HOLD; external operations remain disabled.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-SHIVAS-INTERNAL-BLUE | Source-backed documentary sequence — execution not rerun

SHIVAS Internal Reflection / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Record the reference and reconciliation history without minting an external asset, redemption promise or guaranteed value.

RESULT INTERPRETATION

Return a nontransferable internal reflection record, with no public offer or monetary-value assertion.

RELATIONSHIP

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

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 - Reference briefs

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

Shiva Exchange Reference / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Model the stated rule while preserving chronological order, custody references and unresolved authority obligations.

RESULT INTERPRETATION

Return simulation evidence, not a live market, executed trade or transferable asset.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-ELSA-MARKETPLACE-BLUE | Source-backed documentary sequence — execution not rerun

Elsa Marketplace Reference / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Coordinate semantic, workflow and evidence relationships without giving the listing operational authority. Elsa remains the sole compiler identity.

RESULT INTERPRETATION

Return an internal marketplace reference with unresolved stages visible; no live market is inferred.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Spreadsheets / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve immutable revisions, deterministic recalculation, concurrency checks and audit evidence; keep Pearl simulation partitions distinct from measured cells.

RESULT INTERPRETATION

Return a new revision with recalculation evidence, or reject/hold a conflict. Results do not authorize external effects.

RELATIONSHIP

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

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_prepasskey.

REFERENCE_MVP_PREPASSKEY

SOURCE REFERENCES

- Recovered nonwhite collection, page 1397

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1397](#)

JPOSMJ Portfolio - Reference briefs

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

JPOSMJ Portfolio / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Collect separate reviews into a portfolio envelope, retaining product-specific evidence and unresolved admission gates.

RESULT INTERPRETATION

Return a product evidence envelope. Inclusion does not transfer another product's proof or permit.

RELATIONSHIP

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

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.

PREPASKEY_PORTFOLIO_ENVELOPE

SOURCE REFERENCES

- Recovered nonwhite collection, page 1398

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

SOURCE REFERENCES

[Recovered nonwhite collection, page 1398](#)

MJ Standard Containment - Reference briefs

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

MJ Standard Containment / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Calculate source-backed geometry relationships while separating measured dimensions and gas behavior from normalized reference shapes.

RESULT INTERPRETATION

Return a geometry reference and required measurements; absent physical values remain held.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1399](#)

MJ Reservoir Collection - Reference briefs

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

MJ Reservoir Collection / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Track loop and return relationships using units, uncertainty and applicable containment, egress, safety, routing and accounting evidence.

RESULT INTERPRETATION

Return a reference balance or HOLD missing measurements; a logical loop is not a demonstrated physical circulation device.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1400](#)

MJos Solar Core - Reference briefs

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

MJos Solar Core / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

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REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply shared energy-accounting relationships while retaining each application's independent geometry, environment and verification needs.

RESULT INTERPRETATION

Return a shared-core design trace and evidence gaps; one profile's calculation does not validate the others.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1401](#)

MJos Solar Phone - Reference briefs

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

MJos Solar Phone / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Coordinate intake, storage and workload within the semiconductor profile using typed energy accounting and explicit uncertainty.

RESULT INTERPRETATION

Return a planned power trace, not a demonstrated battery-life claim or physical phone.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1402](#)

MJos Solar Marine - Reference briefs

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

MJos Solar Marine / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Model conversion/recovery and state transitions with vessel-specific telemetry and reserve requirements.

RESULT INTERPRETATION

Return an unclassified design trace or HOLD; no operating vessel, certification or physical efficiency is established.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1403](#)

MJos Solar Spacecraft - Reference briefs

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

MJos Solar Spacecraft / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Document solar-assisted avionics, telemetry and fault-isolation relationships without converting them into launch or propulsion commands.

RESULT INTERPRETATION

Return a peaceful research trace with safety holds preserved.

RELATIONSHIP

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

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

[Recovered nonwhite collection, page 1404](#)

DRO Collection - Reference briefs

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

DRO Collection / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve typed measurement, lineage and conservation; distinguish collection observations from Pearl simulation and computational retention.

RESULT INTERPRETATION

Return a DRO reference record or HOLD missing evidence; no physical collection hardware is established.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-DRO-PEARL-HANDOFF-BLUE | Source-backed documentary sequence — execution not rerun

DRO–Pearl Handoff / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Allocate within capacity, retain the original measurement or simulation class and bind both sides to a receipt.

RESULT INTERPRETATION

Return a computational handoff record; information retention does not become physical containment.

RELATIONSHIP

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

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 - Reference briefs

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

DRO Start and Reserve / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Represent source, start and restart accounting with explicit permit gates and unresolved physical measurements.

RESULT INTERPRETATION

Return a non-operational energy reference on active hold; no ignition hardware is authorized.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-LECANTO-IMAGE-TRUTH-BLUE | Source-backed documentary sequence — execution not rerun

Lecanto Image Truth / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Analyze source-backed residuals, label derivatives and distinguish a bounded intent hypothesis from observed fact.

RESULT INTERPRETATION

Return provenance-linked analysis or HOLD missing origin; signal differences do not establish intent.

RELATIONSHIP

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

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 - Reference briefs

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

JP Semiconductor DRO–Pearl / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve separate measurement, simulation and power roles; check typed capacities and energy relationships without inventing a physical article.

RESULT INTERPRETATION

Return a planned integration trace with unresolved hardware evidence.

RELATIONSHIP

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

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 - Reference briefs

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

Shiva Internal Banking Reference / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Document internal financial relationships under Mermaid, M3, JO, MK and MJ boundaries; exclude outside-platform cryptocurrency and public markets.

RESULT INTERPRETATION

Return an internal future-objective record, not an operational bank or public service.

RELATIONSHIP

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

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 - Reference briefs

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

Shiva Crypto Legacy Candidate / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve both dated scopes without treating the later internal objective as authorization for the older external candidate.

RESULT INTERPRETATION

Return archive-only reconciliation; no token, market or live external product is promoted.

RELATIONSHIP

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

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 - Reference briefs

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

Shiva Shells / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Validate schema, provenance and scope; carry related accounting and participant evidence without letting the object authorize itself.

RESULT INTERPRETATION

Return a governed account envelope or HOLD missing evidence. A shell is distinct from Shiva capital proposals and SHIVAS nontransferable reflections.

RELATIONSHIP

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

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 - Reference briefs

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

MJos Operating System / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Represent the proposed substrate and lease boundaries, preserving exact resource ownership and source status. Distinguish hosted software components and simulations from a demonstrated bootable operating system.

RESULT INTERPRETATION

Return a source-backed operating-system profile or unresolved implementation requirement. The MJos name does not itself establish a completed kernel or hardware platform.

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.

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 - Reference briefs

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

Bangel Database 1.0 / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Resolve the typed request, retain uncertainty and lineage, check the declared transaction boundary and compare the result with its governing profile.

RESULT INTERPRETATION

Document the admitted result and reconciliation record; keep unsupported schema or authority conditions explicit.

RELATIONSHIP

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

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 - Reference briefs

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

Moana Service Desk / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Match the request to the source-defined workflow, preserve record identity and state transitions, and distinguish prototype behavior from connected services.

RESULT INTERPRETATION

Return the documented workflow result with its evidence level and unresolved integration steps.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Logical Layer 5 / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Apply the independent gate order, operating mode and bounded-loop policy while retaining the original proposal and observed evidence.

RESULT INTERPRETATION

Record the permitted disposition without allowing predicted confidence to override missing or rejecting evidence.

RELATIONSHIP

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

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 - Reference briefs

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

MjQ / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve its definitions, distinguish software analogy from biological evidence and identify an explicit comparison or falsification test.

RESULT INTERPRETATION

Retain a qualified research result and unresolved questions rather than promoting analogy into implemented fact.

RELATIONSHIP

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

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 - Reference briefs

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

MJos Self-Healing Kernel / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Identify the exact recoverable state, permitted correction and independent validation path; preserve prior evidence and rollback boundaries.

RESULT INTERPRETATION

Describe the verified recovery or unresolved hold without granting the recovery module new authority.

RELATIONSHIP

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

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 - Reference briefs

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

Predictive Node Placement / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

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

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 - Reference briefs

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

Teal Ledger / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

- 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

PROCEDURE

Preserve the applicable profile, compare conservation and reconciliation rules, and separate internal reference behavior from external transfer or financial authority.

RESULT INTERPRETATION

Record the profile-qualified result; retain missing integration and external-operation requirements.

RELATIONSHIP

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

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 - Reference briefs

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

SHIVAS Ledger Profile / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Select the correct dated profile and preserve its amount, transferability, internal-reflection and authority rules.

RESULT INTERPRETATION

Document only that profile's behavior; do not silently convert an internal reflection into a transferable public asset.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Digital Twin / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve observation time and provenance, distinguish received facts from forecast values and compare predictions with later evidence.

RESULT INTERPRETATION

Record the model's bounded result and variance without substituting predictions for unreceived or unauthenticated data.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Quantum Water Protection / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Use the declared physical model and available measurements, separate software simulation from hardware evidence and retain uncertainty and operating limits.

RESULT INTERPRETATION

Produce the supported design or test conclusion and identify the measurements needed before physical-performance claims.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Cloud / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Preserve source imports and project boundaries, trace the selected build/backup path and distinguish local capabilities from connected hosting.

RESULT INTERPRETATION

Present the available workspace result and its actual persistence, authentication and deployment status.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Workspace / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Retain originals and duplicate lineage, associate derived results with inputs and verify the applicable save or restoration path.

RESULT INTERPRETATION

Expose a traceable project view and explicit recovery boundary.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Physics Lab / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

RESULT INTERPRETATION

Show the result, comparison and evidence appropriate to the supported lesson.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Statistics Lab / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

RESULT INTERPRETATION

Show the result, comparison and evidence appropriate to the supported lesson.

RELATIONSHIP

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

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 - Reference briefs

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

MJ Encrypted Message API / Blue

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

REFERENCE DEFINITION

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

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Validate its shape and integrity using the stated contract and distinguish tamper detection from identity, freshness or authorization guarantees.

RESULT INTERPRETATION

Report the supported acceptance result without implying checks the protocol does not implement.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Interoperability / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Language-neutral API and bindings across supported Python, JavaScript/TypeScript, C++, Rust and R integration tracks.

INPUT AND OUTPUT CONTRACT

- BindingContract — language and protocol version
- TypedRequest — representation and effects
- InteropResult — output or named failure
- ParityEvidence — platform and matching contract

PROCEDURE

Match protocol, representation and ownership rules; keep adapter behavior separate from native-language implementation claims.

RESULT INTERPRETATION

Return a profile-qualified result and record which parity evidence actually covers the binding.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-BANGEL-TEACHING-PATHWAY-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Teaching Pathway / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Progressive explanations and paired C#/Bangel lessons covering language fundamentals, variance, GIN and node logic.

INPUT AND OUTPUT CONTRACT

- LearningObjective — supported concept
- WorkedExample — source and grammar profile
- Comparison — C# and Bangel behavior
- PracticeEvidence — expected result and explanation

PROCEDURE

Use examples grounded in the selected implemented grammar and explain matching and differing semantics.

RESULT INTERPRETATION

Provide a reproducible exercise and distinguish teaching shorthand from executable syntax.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-JAVA-WORK-ORDER-API-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Java Work Order API / Blue

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

REFERENCE DEFINITION

Assisted Java/Spring REST starter for work orders, validation, persistence, status transitions and structured errors.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Explain the governing rule, preserve input units and assumptions, and label executed examples separately from candidate language exports.

RESULT INTERPRETATION

Show the result, comparison and evidence appropriate to the supported lesson.

RELATIONSHIP

Related identities: Engineering Studio; Java Learning Pathway. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-ARTIFACT-INTEGRITY-SERVICE-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Artifact Integrity Service / Blue

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

REFERENCE DEFINITION

Proposed Java service for deterministic file manifests and detection of added, missing, modified, duplicate or unsafe files.

INPUT AND OUTPUT CONTRACT

- ProposedCapability — purpose and scope
- ArtifactManifest — paths, sizes and hashes
- DifferenceReport — added, missing or changed entries
- ImplementationEvidence — source and test status

PROCEDURE

Define the deterministic inventory and comparison contract, identify unsafe paths and distinguish design requirements from built functionality.

RESULT INTERPRETATION

Produce a reviewable specification and explicit implementation status.

RELATIONSHIP

Related identities: Java Work Order API; Bangel Interoperability. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-MANIFEST-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Manifest / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Separate Tide Casa vertical for models and influencers, with profiles, booking concepts and creator presentation.

INPUT AND OUTPUT CONTRACT

- CreatorProfile — declared public presentation
- BookingIntent — proposed service and availability
- PrototypeEvent — simulated interaction
- IntegrationStatus — connected or pending service

PROCEDURE

Follow the documented presentation and booking flow while retaining its separate project boundary and identifying simulations.

RESULT INTERPRETATION

Return the prototype outcome without implying live payments, notifications or availability.

RELATIONSHIP

Related identities: Tide Casa. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-TIDE-CASA-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Tide Casa / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Customer-facing application business and service platform, with BarTide as its restaurant vertical.

INPUT AND OUTPUT CONTRACT

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

PROCEDURE

Map it to the supported product lane and documented delivery workflow, preserving the distinction between approved builds and historical prototypes.

RESULT INTERPRETATION

Present a traceable preview or bounded delivery result with its current evidence.

RELATIONSHIP

Related identities: BarTide; Engineering Studio; MJ Physics Engineering. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMplete-20260925-VARIANCE-CAPTURE-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Capture / Blue

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

REFERENCE DEFINITION

Records the difference between predictions and observed outcomes without erasing uncertainty or granting new authority.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

Related identities: GIN; Predictive Node Placement; MJos Predictive Model. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-VARIANCE-POOL-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Variance Pool / Blue

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

REFERENCE DEFINITION

Named allocation and evidence concept in the historical language and teaching material.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

Related identities: GIN; Teal; MJ Permission. Preserve each named contract and source status.

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 - Reference briefs

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

Rain / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Named concept in the variance and predictive-node documentation family.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

Related identities: GIN; Umbrella; Pearls. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-UMBRELLA-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Umbrella / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Named concept associated with variance, GIN and node logic.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

Related identities: GIN; Rain; Smoke. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-SMOKE-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Smoke / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Named concept in the variance, GIN and node-logic teaching sequence.

INPUT AND OUTPUT CONTRACT

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

PROCEDURE

Bind it to its governing profile, distinguish inputs from interpretations and retain measurements, uncertainty and source lineage.

RESULT INTERPRETATION

Explain the supported contribution and record any missing executable rule without inferring behavior from the name.

RELATIONSHIP

Related identities: GIN; Umbrella. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-BLUEWATER-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Localized websites and apps for small businesses, beginning with Clearwater and designed for regional editions.

INPUT AND OUTPUT CONTRACT

- MarketProfile — location and customer need
- ServiceBrief — scope and deliverables
- PilotEvidence — observed customer workflow
- DeliveryRecord — approved state and support boundary

PROCEDURE

Keep the regional needs, scope and pilot evidence explicit and separate planning packages from deployed workflows.

RESULT INTERPRETATION

Produce the supported service outline and next measurable delivery step.

RELATIONSHIP

Related identities: Lola; Tide Casa. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-LOLA-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Lola / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Customer-facing planning and concierge guide for the BlueWater service workflow, with package guidance and human handoff.

INPUT AND OUTPUT CONTRACT

- CustomerIntent — stated need and context
- ServiceKnowledge — approved scope and wording
- Recommendation — bounded option and explanation
- HandoffRecord — unresolved question and human owner

PROCEDURE

Use the approved service information, preserve intentional voice interaction and route unsupported decisions to a human.

RESULT INTERPRETATION

Give a grounded recommendation or clear handoff without inventing booking or payment completion.

RELATIONSHIP

Related identities: BlueWater. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-BANGEL-LEVERAGE-ANALYST-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Leverage Analyst / Blue

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

REFERENCE DEFINITION

Football analysis workspace for playbook geometry, film review, snap/formation/front/coverage/technique registration and evidence-qualified physics.

INPUT AND OUTPUT CONTRACT

- PlaybookEntry — model geometry and assignments
- FilmObservation — frame, timestamp and confidence
- ContextRecord — external play-by-play or coaching input
- AnalysisReceipt — measured versus modeled conclusion

PROCEDURE

Separate modeled playbook structure from observed video and fallback context, then apply the documented review order and calibration requirements.

RESULT INTERPRETATION

Return only the supported geometry or physics assessment with unresolved observation steps visible.

RELATIONSHIP

Related identities: Physics Football; Lecanto; GIN. Preserve each named contract and source status.

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 - Reference briefs

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

Bangel Leverage Physics Lab / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Educational video and physics lab with field calibration, tracking, timing and exportable receipts.

INPUT AND OUTPUT CONTRACT

- VideoReference — local or embedded source
- FieldCalibration — landmarks and coordinate transform
- TrackedPoint — time, position and confidence
- EducationalReceipt — calculation and limitations

PROCEDURE

Compute the documented measurements from actual inputs and label manual timestamps, coordinates and inaccessible embedded frames.

RESULT INTERPRETATION

Explain the derived educational measurement without implying automated film evidence.

RELATIONSHIP

Related identities: Bangel Leverage Analyst; Lecanto; GIN. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMplete-20260925-BANGEL-CYBERNETIC-FRAMEWORK-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Cybernetic Framework / Blue

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

REFERENCE DEFINITION

Connects targets, measurements, differences, authorized corrections, consequences and reconciliation through JP.

INPUT AND OUTPUT CONTRACT

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

PROCEDURE

Represent targets, measurements, differences and permitted corrections through JP while keeping measurement separate from authority.

RESULT INTERPRETATION

Record the admitted response and its observed consequence for reconciliation.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-MJOS-SOFTWARE-SUPPLY-TRUST-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Software Supply Trust / Blue

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

REFERENCE DEFINITION

Proposed software-assurance product connecting cryptographic dependencies, deterministic release evidence, authorization and recovery after signing-key compromise.

INPUT AND OUTPUT CONTRACT

- ReleaseArtifact — source and build lineage
- CryptographicInventory — observed dependency evidence
- ReleaseAuthorization — permitted signing or distribution scope
- RecoveryEvidence — rehearsed response and retained history

PROCEDURE

Connect the observed build, dependency, authorization and recovery evidence without claiming absent scans or production integration.

RESULT INTERPRETATION

Produce a bounded assurance record and the outstanding pilot/implementation requirements.

RELATIONSHIP

Related identities: MJos Quantum; Bangel Language; JP; Joanna Processing. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-MJOS-MARINE-TRUST-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Marine Trust / Blue

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

REFERENCE DEFINITION

Proposed trust layer for marine digital supply chains, connecting supplier firmware, vessel integration, service and fleet evidence.

INPUT AND OUTPUT CONTRACT

- SupplierArtifact — firmware or software provenance
- VesselIntegration — system and version
- ServiceEvent — observed maintenance action
- TrustDecision — evidence-based permitted operation

PROCEDURE

Track its source, version, authorization and service evidence across the declared vessel boundary.

RESULT INTERPRETATION

Explain the qualified trust decision and the physical or deployment evidence still required.

RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway; MJ Marine. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-QSHM-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

QSHM / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Custom hardware concept in the MJos Quantum security family, intended to follow validated software interfaces and customer use cases.

INPUT AND OUTPUT CONTRACT

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

PROCEDURE

Specify its intended interfaces and evidence requirements without substituting a software mock-up for physical validation.

RESULT INTERPRETATION

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

RELATIONSHIP

Related identities: MJos Quantum; Trust Gateway. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-TRUST-GATEWAY-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Trust Gateway / Blue

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

REFERENCE DEFINITION

Marine-facing hardware gateway concept for governed supplier, vessel and fleet evidence.

INPUT AND OUTPUT CONTRACT

- HardwareConcept — intended role and interface
- EvidenceRequirement — bench, device or integration proof
- InterfaceContract — bounded inputs and outputs
- ResearchStatus — proposed, modeled or measured

PROCEDURE

Specify its intended interfaces and evidence requirements without substituting a software mock-up for physical validation.

RESULT INTERPRETATION

Retain a reviewable hardware proposal and clearly identify the missing device evidence.

RELATIONSHIP

Related identities: MJos Marine Trust; QSHM. Preserve each named contract and source status.

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 - Reference briefs

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

MJ Marine / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Engineering decision-twin service and reference-model family for propulsion, thermal, energy and repower comparisons.

INPUT AND OUTPUT CONTRACT

- VesselProfile — operating boundary and duty cycle
- EngineeringAlternative — component or configuration option
- ModelEvidence — assumptions, inputs and validation
- DecisionReport — comparison and remaining uncertainty

PROCEDURE

Compare a bounded set of alternatives using the applicable model and preserve sensitivity to uncertain inputs.

RESULT INTERPRETATION

Provide an evidence-qualified engineering comparison and explicit data gaps.

RELATIONSHIP

Related identities: MJ Physics Engineering; Marine Design-Decision Twin. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-MARINE-DESIGN-DECISION-TWIN-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Marine Design-Decision Twin / Blue

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

REFERENCE DEFINITION

Compares a bounded set of vessel or propulsion design alternatives with explicit assumptions, uncertainty, data gaps and supporting evidence.

INPUT AND OUTPUT CONTRACT

- DecisionBoundary — vessel, question and alternatives
- OperatingProfile — load and duty cycle
- TwinResult — propulsion, thermal or energy estimate
- ValidationPlan — measurements needed to test the result

PROCEDURE

Build the declared baseline, compare the specified alternatives and trace assumptions, uncertainty and validation limits.

RESULT INTERPRETATION

Return a bounded model-based recommendation rather than an unmeasured physical-performance guarantee.

RELATIONSHIP

Related identities: MJ Marine; MJ Physics Digital Twins. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-MJ-PHYSICS-DIGITAL-TWINS-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJ Physics Digital Twins / Blue

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

REFERENCE DEFINITION

Circuit-board-style modeling practice connecting a physical system, pre-observation model, measurement, GIN variance and bounded decisions.

INPUT AND OUTPUT CONTRACT

- PhysicalSystem — declared boundary
- ModelState — equations and assumptions
- Observation — measured input and provenance
- DecisionEvidence — comparison and supported conclusion

PROCEDURE

Connect the model, measurement and GIN variance while distinguishing known physics, modeled propositions and untested research.

RESULT INTERPRETATION

Present the supported comparison and validation needed for the next engineering decision.

RELATIONSHIP

Related identities: MJ Physics Engineering; GIN; Bangel Effect; MJ Marine. Preserve each named contract and source status.

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 - Reference briefs

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

Bangel Effect / Blue

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

REFERENCE DEFINITION

Named research concept presented alongside R0, GIN and IF/HOW/THEN within digital-twin architecture.

INPUT AND OUTPUT CONTRACT

- ResearchDefinition — named effect and scope
- PhysicalModel — established laws and assumptions
- PredictedDifference — testable model outcome
- ExperimentalEvidence — observation or unresolved measurement

PROCEDURE

State the proposed effect, distinguish it from established thermodynamic mechanisms and define a measurement that could confirm or challenge it.

RESULT INTERPRETATION

Retain the research claim at the evidence level actually supported.

RELATIONSHIP

Related identities: MJ Physics Digital Twins; GIN. Preserve each named contract and source 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 - Reference briefs

MJPE-COMPLETE-20260925-BANGEL-MEDIA-COMPRESSOR-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Media Compressor / Blue

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

REFERENCE DEFINITION

JP-rooted media/compression development with exact arithmetic, resource receipts, codec staging and independently gated trial/rollback decisions.

INPUT AND OUTPUT CONTRACT

- MediaSource — original bytes and provenance
- CodecProfile — implementation and supported subset
- CandidateTrial — proposed reversible path and resource evidence
- DecodeEvidence — independent restoration, quality and performance

PROCEDURE

Identify the actual codec implementation, preserve original bytes and compare restoration, quality and performance evidence.

RESULT INTERPRETATION

Record only the demonstrated result; partial AV1 work and third-party compression remain explicitly identified.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-CPP-SERVICE-ADAPTER-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel C++ Service Adapter / Blue

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

REFERENCE DEFINITION

C++17 adapter for calling the Bangel language service through the supported protocol.

INPUT AND OUTPUT CONTRACT

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

PROCEDURE

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

RESULT INTERPRETATION

Return the documented result with platform and contract coverage attached.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMplete-20260925-CPP-DECIMAL-LIBRARY-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

JP C++ Decimal Library / Blue

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

REFERENCE DEFINITION

Native decimal operations with a C interface and C++ wrapper.

INPUT AND OUTPUT CONTRACT

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

PROCEDURE

Preserve representation, rounding and ownership rules and compare behavior with the matching numeric contract.

RESULT INTERPRETATION

Return the precise supported result or named failure without expanding the arithmetic guarantees.

RELATIONSHIP

Related identities: Bangel Interoperability; R jpdecimal. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-RUST-SERVICE-ADAPTER-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Rust Service Adapter / Blue

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

REFERENCE DEFINITION

Rust adapter with protocol handling, examples and tests for the language service.

INPUT AND OUTPUT CONTRACT

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

PROCEDURE

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

RESULT INTERPRETATION

Return the documented result with platform and contract coverage attached.

RELATIONSHIP

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

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 jpservice - Reference briefs

MJPE-COMPLETE-20260925-R-JPSERVICE-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpservice / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

R package for calling the Bangel language service.

INPUT AND OUTPUT CONTRACT

- AdapterRequest — language and protocol version
- OwnershipContract — lifetimes and resource handling
- ProtocolResult — value or named failure
- InteropEvidence — example, test and platform

PROCEDURE

Respect the selected service contract, ownership rules and response semantics rather than assuming complete native-language parity.

RESULT INTERPRETATION

Return the documented result with platform and contract coverage attached.

RELATIONSHIP

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

DISCOVERY NAMES

R jpservice

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 - Reference briefs

MJPE-COMPLETE-20260925-R-JPDECIMAL-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

R jpdecimal / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

R package exposing the native decimal library.

INPUT AND OUTPUT CONTRACT

- DecimalValue — exact representation and scale
- NumericOperation — supported operation and rounding rule
- MemoryContract — owner and lifetime
- NumericEvidence — expected result and test profile

PROCEDURE

Preserve representation, rounding and ownership rules and compare behavior with the matching numeric contract.

RESULT INTERPRETATION

Return the precise supported result or named failure without expanding the arithmetic guarantees.

RELATIONSHIP

Related identities: JP C++ Decimal Library; Bangel Interoperability. Preserve each named contract and source status.

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 - Reference briefs

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

Bangel Studios / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Music-production workspace combining drum, bass, strings and vocal lanes, instrument controls, project handling and evidence-aware processing.

INPUT AND OUTPUT CONTRACT

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

PROCEDURE

Preserve event timing and user controls, identify the actual synthesis/export path and distinguish browser support from future native plug-in work.

RESULT INTERPRETATION

Present the playable or exported result at the demonstrated capability level.

RELATIONSHIP

Related identities: Bangel Drums; Bangel Infinity; Bangel Media Compressor; Elsa Compiler; JP. Preserve each named contract and source status.

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 - Reference briefs

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

Bangel Drums / Blue

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

REFERENCE DEFINITION

Drum-sequencer branch of Bangel Studios with grid-based steps, drum voices, bass and synchronized musical lanes.

INPUT AND OUTPUT CONTRACT

- BeatDocument — grid, tempo, lanes and events
- AudioProfile — instrument and processing settings
- ProjectState — user controls and saved version
- PlaybackEvidence — timing and export observations

PROCEDURE

Preserve event timing and user controls, identify the actual synthesis/export path and distinguish browser support from future native plug-in work.

RESULT INTERPRETATION

Present the playable or exported result at the demonstrated capability level.

RELATIONSHIP

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

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 - Reference briefs

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

Bangel Infinity / Blue

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

REFERENCE DEFINITION

Named processing profile within the historical Bangel Studios music workflow.

INPUT AND OUTPUT CONTRACT

- AudioInput — source and provenance
- ProcessingProfile — named controls and limits
- RenderedOutput — format and timing
- ComparisonEvidence — observed change and fidelity

PROCEDURE

Trace the actual processing path and controls and compare output with the original rather than inferring superiority from the profile name.

RESULT INTERPRETATION

Document the supported studio result and any independent-validation gap.

RELATIONSHIP

Related identities: Bangel Studios. Preserve each named contract and source status.

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 - Reference briefs

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

Bangel Compiler Lab / Blue

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

REFERENCE DEFINITION

Compiler and media-codec development lab with Elsa, rooted JP-IR, staged backend plans and explicit evidence gates.

INPUT AND OUTPUT CONTRACT

- SourceProfile — admitted syntax and version
- TypedRepresentation — JP-IR identity and constraints
- DevelopmentStage — implemented, partial or held
- ConformanceEvidence — exact fixture and expected result

PROCEDURE

Compile only the supported profile through Elsa, preserve JP identity and distinguish completed development slices from blocked dependencies.

RESULT INTERPRETATION

Produce the profile-qualified artifact and current implementation status.

RELATIONSHIP

Related identities: Elsa Compiler; JP; Joanna Processing; Bangel Media Compressor. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMplete-20260925-BANGEL-DEBT-ANALYTICS-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Debt Analytics / Blue

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

REFERENCE DEFINITION

Early debt-evaluation and negotiation analytics framework using layered modeling and calibrated constructs for complexity, difficulty, risk, opportunity and priority.

INPUT AND OUTPUT CONTRACT

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

PROCEDURE

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

RESULT INTERPRETATION

Return a qualified estimate and the evidence needed before decision or performance claims.

RELATIONSHIP

Related identities: Construct Framework; MJos Predictive Model. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-CONSTRUCT-FRAMEWORK-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Construct Framework / Blue

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

REFERENCE DEFINITION

Reusable construct-estimation interface whose internal pipeline normalizes, orients, weights, aggregates and classifies inputs under declared rules.

INPUT AND OUTPUT CONTRACT

- ConstructDefinition — concept and version
- ComponentMeasure — data, units and direction
- ScoringPolicy — normalization, weights and aggregation
- ValidationEvidence — calibration and uncertainty

PROCEDURE

Use one versioned construct definition and a traceable scoring policy, keeping calibration evidence separate from model design.

RESULT INTERPRETATION

Return a qualified estimate and the evidence needed before decision or performance claims.

RELATIONSHIP

Related identities: Bangel Debt Analytics; MJos Predictive Model. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-BLUEWATER-STUDIO-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

BlueWater Studio / Blue

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

REFERENCE DEFINITION

White-label website and application delivery lane within the historical BlueWater service platform.

INPUT AND OUTPUT CONTRACT

- ClientBrief — business need and scope
- ProductConfiguration — selected workflow and presentation
- DeliveryRecord — build, preview and release state
- OperatingEvidence — observed capability and limits

PROCEDURE

Map it to the supported product lane and documented delivery workflow, preserving the distinction between approved builds and historical prototypes.

RESULT INTERPRETATION

Present a traceable preview or bounded delivery result with its current evidence.

RELATIONSHIP

Related identities: BlueWater; Lola; Engineering Studio. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-BANGEL-DOCUMENT-LIBRARY-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Document Library / Blue

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

REFERENCE DEFINITION

Earlier searchable archive with namesake collections, color organization and page-level indexing; source lineage for the current Teal library.

INPUT AND OUTPUT CONTRACT

- DocumentIdentity — project, color and source version
- PageReference — original page and derived edition
- SearchEntry — indexed text and provenance
- CoverageRecord — included, excluded or unavailable source

PROCEDURE

Preserve its source identity and coverage, apply current display terminology and distinguish indexed text from recovered original bytes.

RESULT INTERPRETATION

Provide searchable, traceable records with missing sources and historical boundaries visible.

RELATIONSHIP

Related identities: Teal Library; MJ Physics Engineering. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMplete-20260925-BANGEL-VISUAL-EFFECTS-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Bangel Visual Effects / Blue

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

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

- ProjectIdentity — user-confirmed name
- SourceReference — pending original specification
- ProposedScope — unconfirmed product boundary
- RecoveryGap — evidence still required

PROCEDURE

Recover its original scope and compare it with Lecanto and Bangel Effect without assuming they are the same product.

RESULT INTERPRETATION

Show the requested identity with a source-recovery status until its independent capabilities are grounded.

RELATIONSHIP

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

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 - Reference briefs

MJPE-COMPLETE-20260925-SILENT-GUARDIAN-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Silent Guardian / Blue

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

REFERENCE DEFINITION

Observes transaction behavior and refines deterministic estimates while preserving the distinction between authenticated and simulated telemetry, bounded corrections and hardened evidence receipts.

INPUT AND OUTPUT CONTRACT

- 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

PROCEDURE

Bind telemetry origin and provenance, update the deterministic estimate within its bounds, and retain the observed outcome and any proposed correction separately.

RESULT INTERPRETATION

Record the refinement and evidence receipt; leave unsupported integration and physical claims explicit.

RELATIONSHIP

Related identities: Elsa Compiler; JP Representation; Joanna Processing; GIN Measurement; MJos Quantum Security; Perth. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-AVIATOR-CLOUD-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Aviator Cloud / Blue

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

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

- WorkspaceIdentity — Aviator product lane
- ServiceBoundary — local or hosted responsibility
- ContinuityReference — related Shekina role
- DeploymentEvidence — actual connected environment

PROCEDURE

Reconcile Aviator workspace, Bangel Cloud and Shekina roles while preserving their separate implementation and hosting evidence.

RESULT INTERPRETATION

Present the requested cloud-facing identity and the exact source/deployment gaps.

RELATIONSHIP

Related identities: Aviator Workspace; Bangel Cloud; Shekina Continuity. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-MJOS-NEUROLOGICAL-MODEL-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Neurological Model / Blue

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

REFERENCE DEFINITION

User-named model family connecting neural association, relational context, episodic recall, predictive comparison and supervised decisions in the MJos ecosystem.

INPUT AND OUTPUT CONTRACT

- Observation — retained input and context
- MemoryCandidate — recalled relation with uncertainty
- PredictiveProposal — candidate outcome
- SupervisionDecision — independent gate and trace

PROCEDURE

Retain observations, compare context and alternatives, preserve lowercase research states separately from runtime states and apply independent supervision.

RESULT INTERPRETATION

Record a qualified software result without treating biological analogy as biological validation.

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.

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 - Reference briefs

MJPE-COMPLETE-20260925-MERMAID-QUANTUM-BLOCKCHAIN-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Mermaid Quantum Blockchain / Blue

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

REFERENCE DEFINITION

User-named blockchain project grouping connecting Mermaid financial meaning and reconciliation with the distinct Teal ledger development lineage.

INPUT AND OUTPUT CONTRACT

- 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

PROCEDURE

Preserve the applicable profile, compare conservation and reconciliation rules, and separate internal reference behavior from external transfer or financial authority.

RESULT INTERPRETATION

Record the profile-qualified result; retain missing integration and external-operation requirements.

RELATIONSHIP

Related identities: Mermaid Reconciliation; Teal Ledger; Shiva; Shiva Shells; GIN. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-PERTH-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

Perth / Blue

MJ Physics Engineering | Bangel Language | MJos Operating System

Owned and operated by Michael Bangel | Clearwater, Florida

REFERENCE DEFINITION

Governed full-stack consolidation framework organizing the language, compiler, representation, runtime, observer and domain modules into explicit active, historical, experimental and external-evidence boundaries.

INPUT AND OUTPUT CONTRACT

- TargetState — desired bounded outcome
- Measurement — actual state and uncertainty
- AuthorizedCorrection — permitted response
- Reconciliation — observed consequence and retained difference

PROCEDURE

Represent targets, measurements, differences and permitted corrections through JP while keeping measurement separate from authority.

RESULT INTERPRETATION

Record the admitted response and its observed consequence for reconciliation.

RELATIONSHIP

Related identities: MJos Operating System; Bangel Language; Elsa Compiler; JP Representation; Joanna Processing; Silent Guardian. Preserve each named contract and source status.

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 - Reference briefs

MJPE-COMPLETE-20260925-LIVING-WATER-BLUE | Recovered historical or requested identity — documentary reconstruction; execution not rerun

MJos Quantum: Living Water / Blue

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

REFERENCE DEFINITION

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.

INPUT AND OUTPUT CONTRACT

- 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

PROCEDURE

Model water and energy flows, expose cost assumptions, capture variance and QSHM evidence, and evaluate bounded recovery proposals under operator authority.

RESULT INTERPRETATION

Produce a traceable design or retrofit scenario, state what is verified, and hold physical deployment claims until their own evidence exists.

RELATIONSHIP

Related identities: Hagar; MJ Quantum Water Protection; Perth. Preserve each named contract and source status.

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.