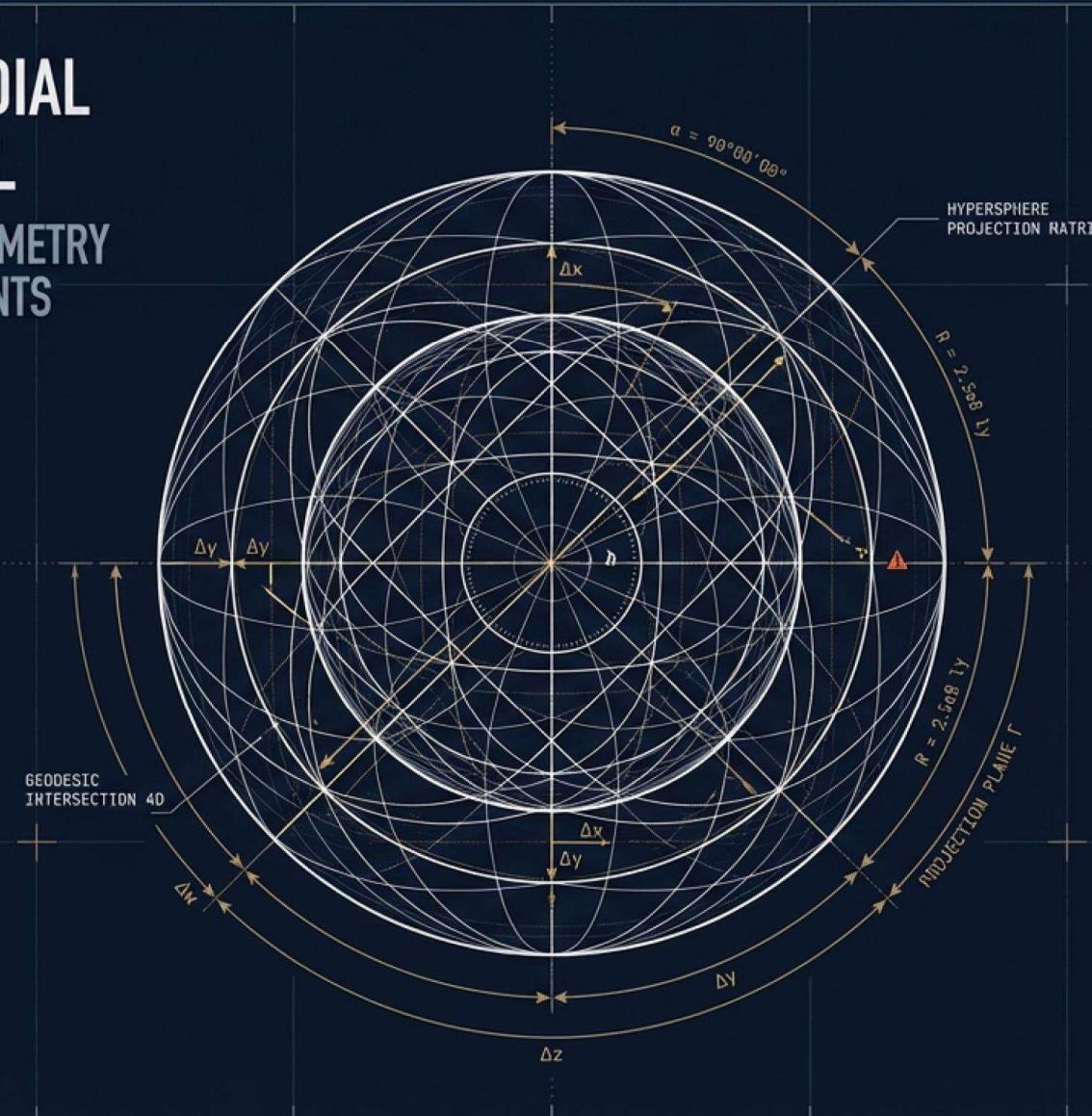


THE NICHOLS RADIAL INJECTION MODEL

PAPER 4: MANIFOLD GEOMETRY & ENGINEERING CONSTANTS



TRUE RADIUS (R)

DIN 14S1 Mittelschrift

250 Gly

Derived from $1/0.004$ Curvature

CURVATURE:
 $1 / 0.004$

UNIVERSAL AGE

DIN 14S1 Mittelschrift

16.6 Gyr

Radial Injection Time (Total)

$\Delta T: 16.6 \text{ Byr}$
INJECTION: RADIAL

T=0 INJECTION START

T=16.6 GYR
(PRESENT)

PULSE PERIOD

DIN 14S1 Mittelschrift

11.07 Years

Universal Heartbeat / Resonant Mode

T1: 0.00 YR
T2: 5.535 YR
T3: 11.07 YR

X: 0.000
Y: 0.000

T1: 0.00 YR

T2: 5.535 YR

F: 0.09033 Hz

PULSE SPEED

DIN 14S1 Mittelschrift

1.19 km/s

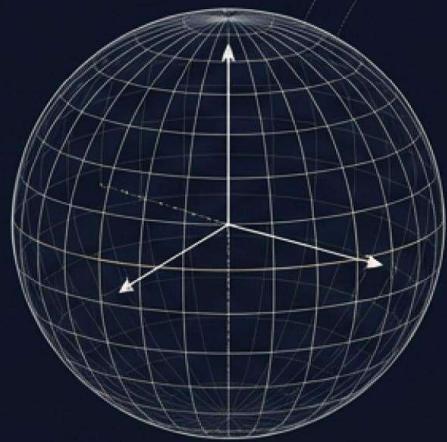
Mechanical Expansion Velocity

EXPANSION V: 1.19 km/s
REF FRAME: LOCAL

V = 1.19 km/s

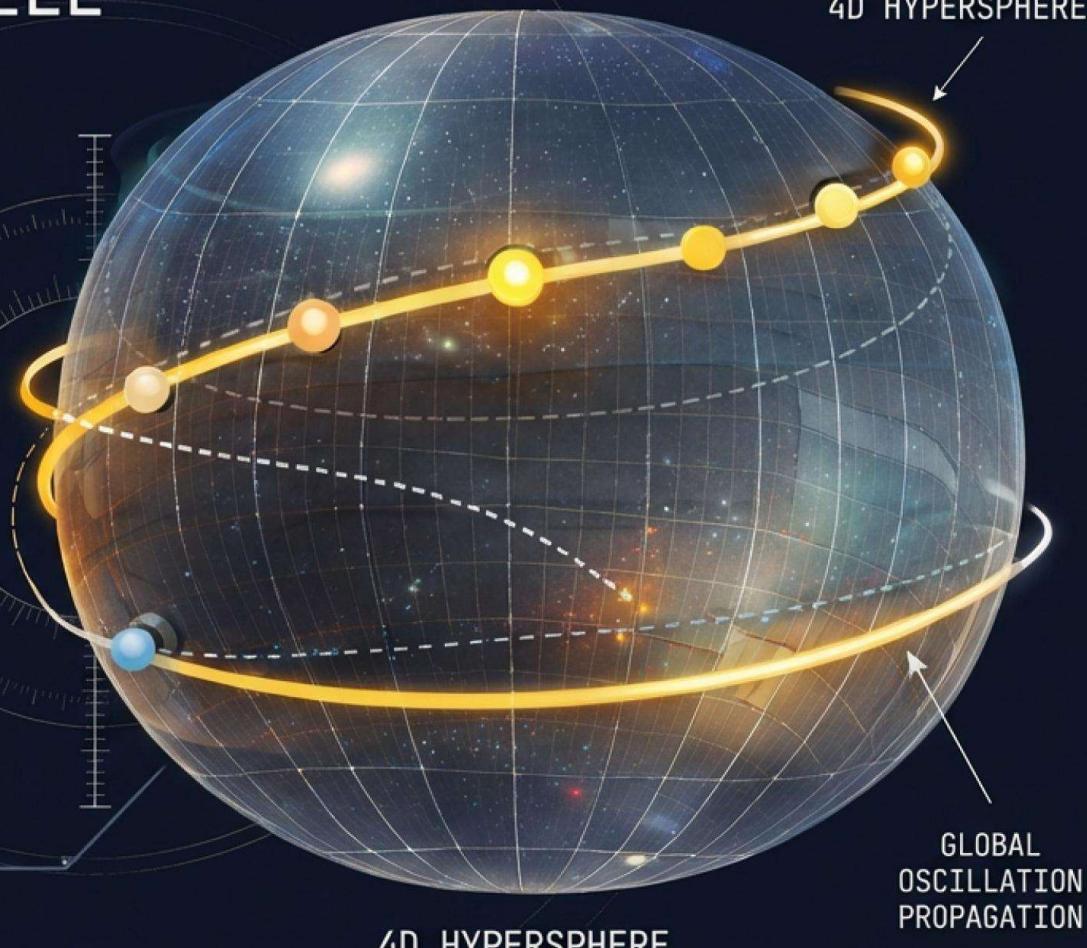
THE MASS-REGULATED MANIFOLD: LOCKED ENGINEERING CONSTANTS

THE GEOMETRY OF THE BELL



STANDARD 3D MODEL

The universe is ringing like a bell.
The 11.07-year pulse is the transmission
time of one oscillation mode across the
resonant arc.



4D HYPERSPHERE

GLOBAL
OSCILLATION
PROPAGATION

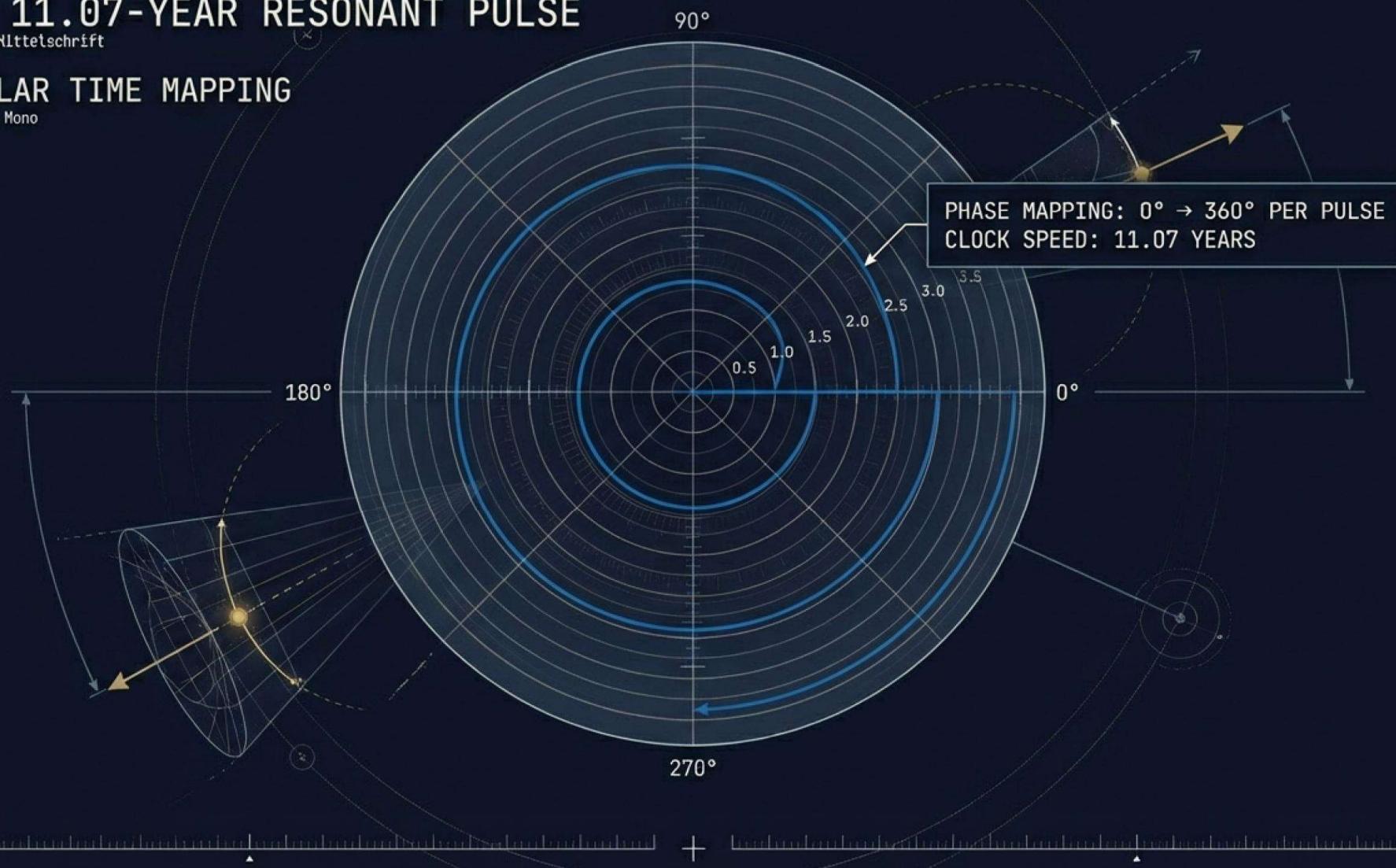
THE 11.07-YEAR RESONANT PULSE

DIN 1451 Mittelschrift

ANGULAR TIME MAPPING

JetBrains Mono

PHASE MAPPING: $0^\circ \rightarrow 360^\circ$ PER PULSE
CLOCK SPEED: 11.07 YEARS



THE FUNDAMENTAL CURVATURE CONSTANT

DIN 1451 Mittelschrift

$$R = 1 / 0.004 = 250 \text{ Gly}$$

VELOCITY LOCK: $(c / 1000) * 0.004 = 1.19 \text{ km/s}$

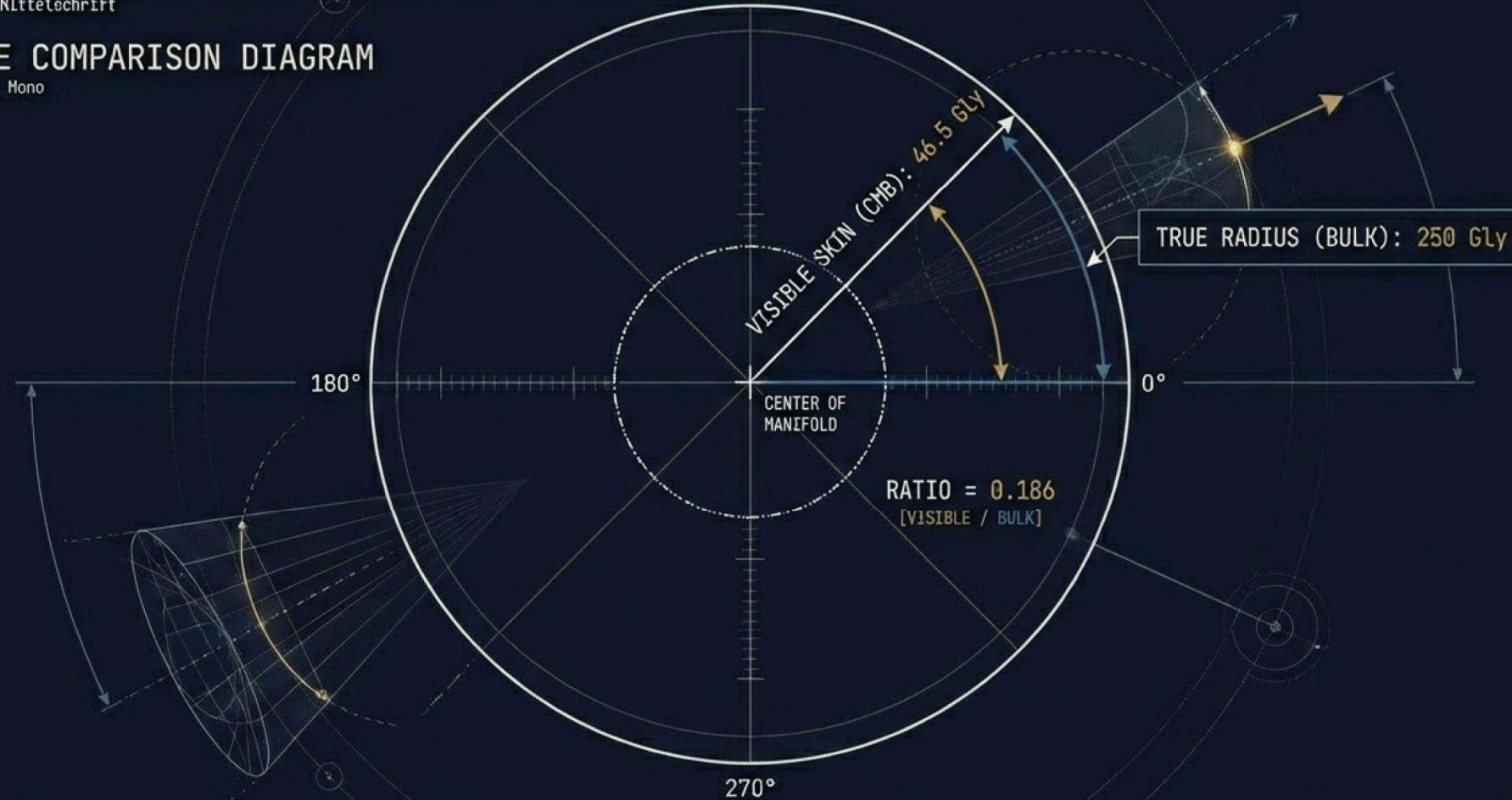
0.004 is not an arbitrary coefficient. It is the design tolerance of the 4D bulk, defining both the vessel size and the gear speed.

THE VISIBLE SKIN VS. THE TRUE BULK_{90°}

DIN 1451 Nittetechrift

SCALE COMPARISON DIAGRAM

Jetbrains Mono



SCALE: 1:10¹²
PROJECTION: ORTHOGRAPHIC

We observe only the skin. The manifold extends 250 billion light years into the bulk.

DATA SOURCE:
T-BULK SPECIFICATIONS

THE FIVE-WAY LOCK

DIN 1451 NLttetochrtft

STATISTICAL IMPOSSIBILITY CONVERGENCE

Jetbrains Mono

CMB SKIN RATIO
(0.186)

CURVATURE
(1 / 0.004)

AGE HARMONIC
(16.6 Gyr / 0.1333)

250 Gly

PULSE SPEED
($c/1000 * 0.004$)

GRAVITY
(1.12 x Schwarzschild Limit)

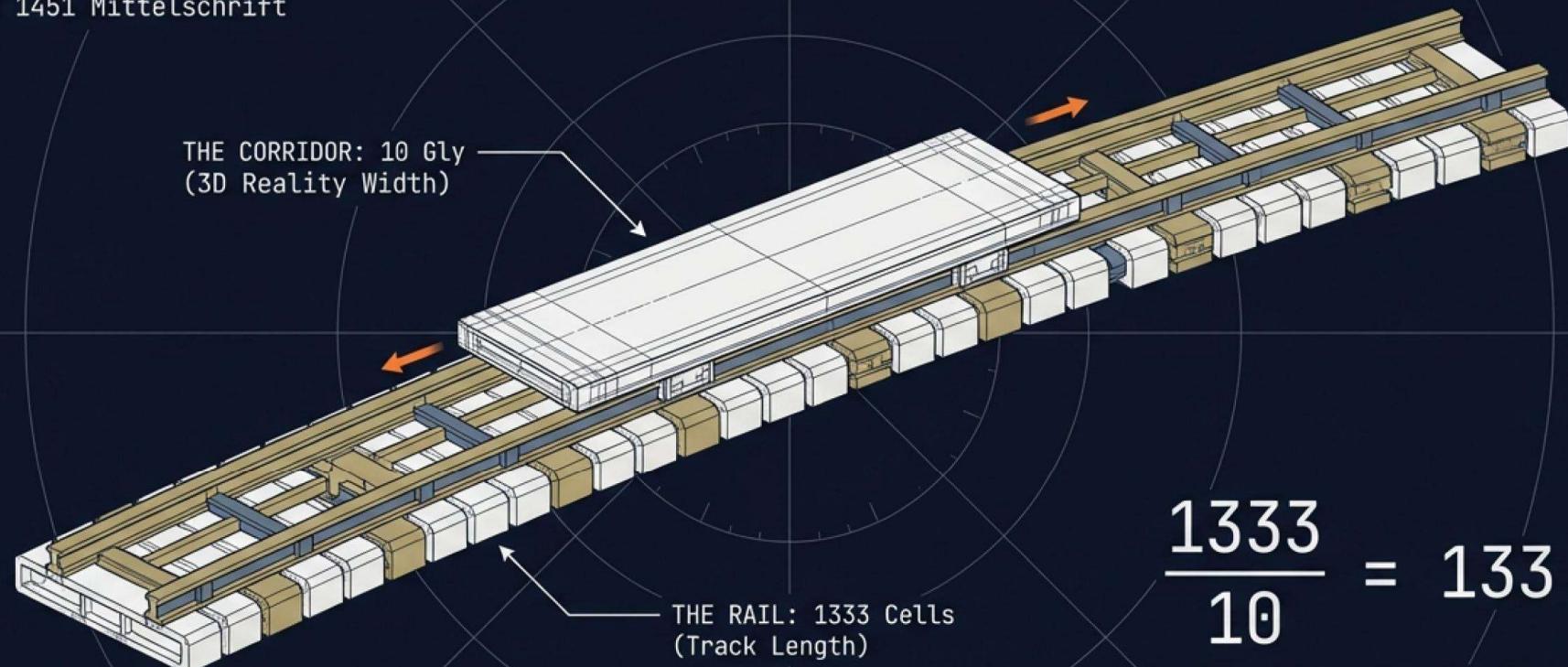
180°

0°

270°

THE MECHANICAL RAIL & THE CORRIDOR

The 10 Gly Corridor is the Standard Gauge of the cosmic railroad.
in DIN 1451 Mittelschrift



$$\frac{1333}{10} = 133.3$$

EXPANSION CONSTANT MATCH

SCALE: 1:10¹²

PROJECTION: ORTHOGRAPHIC

DATA SOURCE: T-BULK SPECIFICATIONS

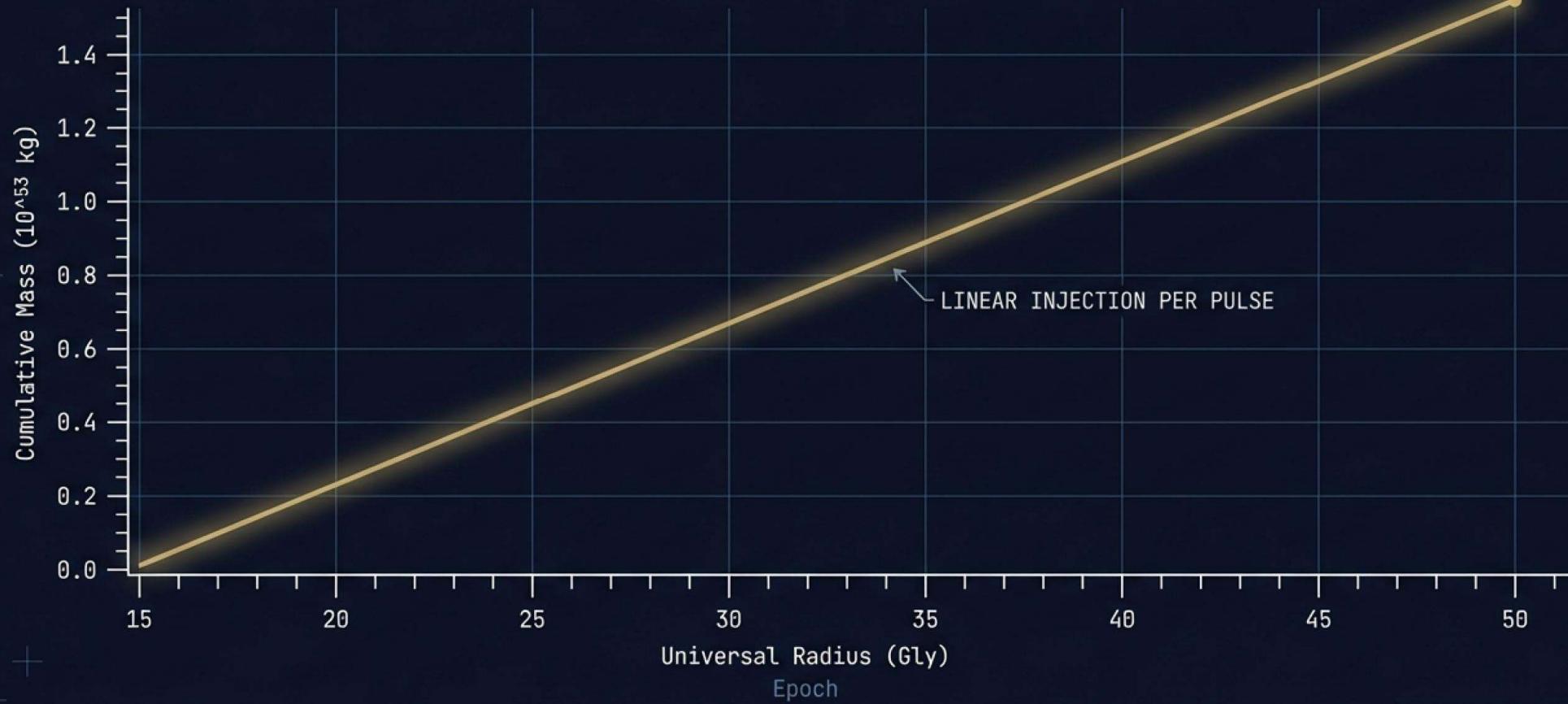
COSMIC ARCHITECTURAL

THE UNIVERSAL ODOMETER

STATISTICAL CONVERGENCE MONITORING

JetBrains Mono

TOTAL MASS: 1.5×10^{53} kg



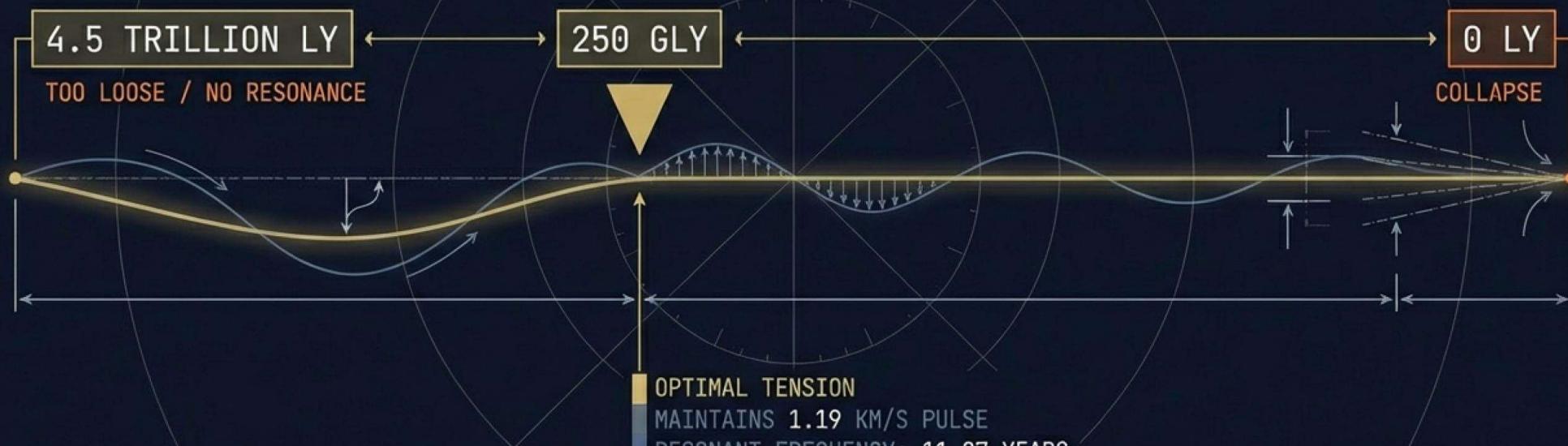
COSMIC ARCHITECTURAL

TENSION & STABILITY

DIN 1451 Mittelschrift

Like a drumhead, the manifold must be tightened to specific dimensions to hold the resonant note.

JetBrains Mono



SCALE: N/A

PROJECTION: ISOMETRIC DIAGRAM

DATA SOURCE: MANIFOLD DYNAMICS

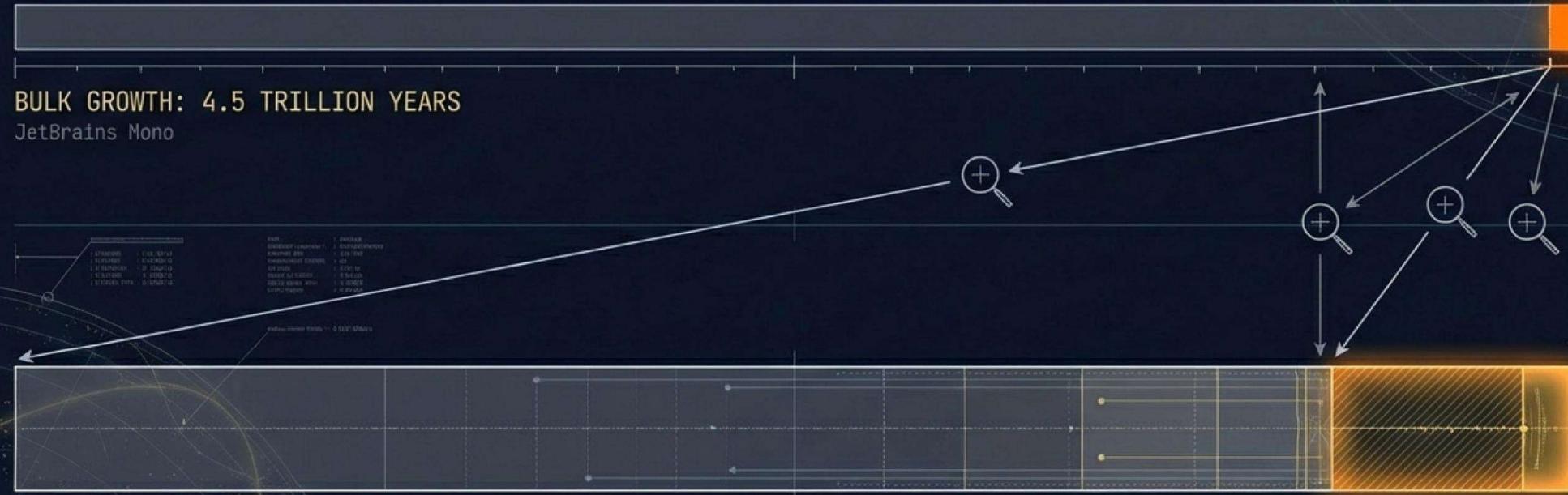
COSMIC ARCHITECTURAL

THE DUTY CYCLE

DIN 1451 Mittelschrift

We are living in the final 0.4% of a trillion-year growth cycle.

JetBrains Mono



THE EXPANSION GAP

DIN 1451 Mittelschrift

Standard Model Age: ~13.8 Gyr

RIM Model Age: 16.6 Gyr

Difference = The Mechanical Width of the Corridor (Surfboard).

JetBrains Mono

RESTING CORRIDOR WIDTH (10 Gly)

EXPANSION DISPLACEMENT (6.6 Gyr)

TOTAL AGE: 16.6 Gyr

SCALE: N/A

PROJECTION: ISOMETRIC DIAGRAM

DATA SOURCE: MANIFOLD DYNAMICS

COSMIC ARCHITECTURAL

HISTORY ALIGNED TO PHASE

SN 1054
(Origin)

11.07-YEAR RESONANT CYCLE

1054

1107

1224

1307

1464

1567

1603

1718

1829

1893

2025

1829
(Daylight Comet)

PHASE ALIGNMENT THROUGH HISTORY

Measurement: 6.193
Coordinate: 97.12378.39
Reeumea: ~83298

DATA POINTS: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
CROSS COORDINATES: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
DYNAMIC: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
EQUATION: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
INTERVAL: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
MEAN: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025
STD: 1054, 1107, 1224, 1307, 1464, 1567, 1603, 1718, 1829, 1893, 2025

AJ-BR 8.000
D-BR 1.000
E-BR 0.000
L-BR 0.000
T-BR 0.000
U-BR 0.000
V-BR 0.000
W-BR 0.000
X-BR 0.000
Y-BR 0.000
Z-BR 0.000

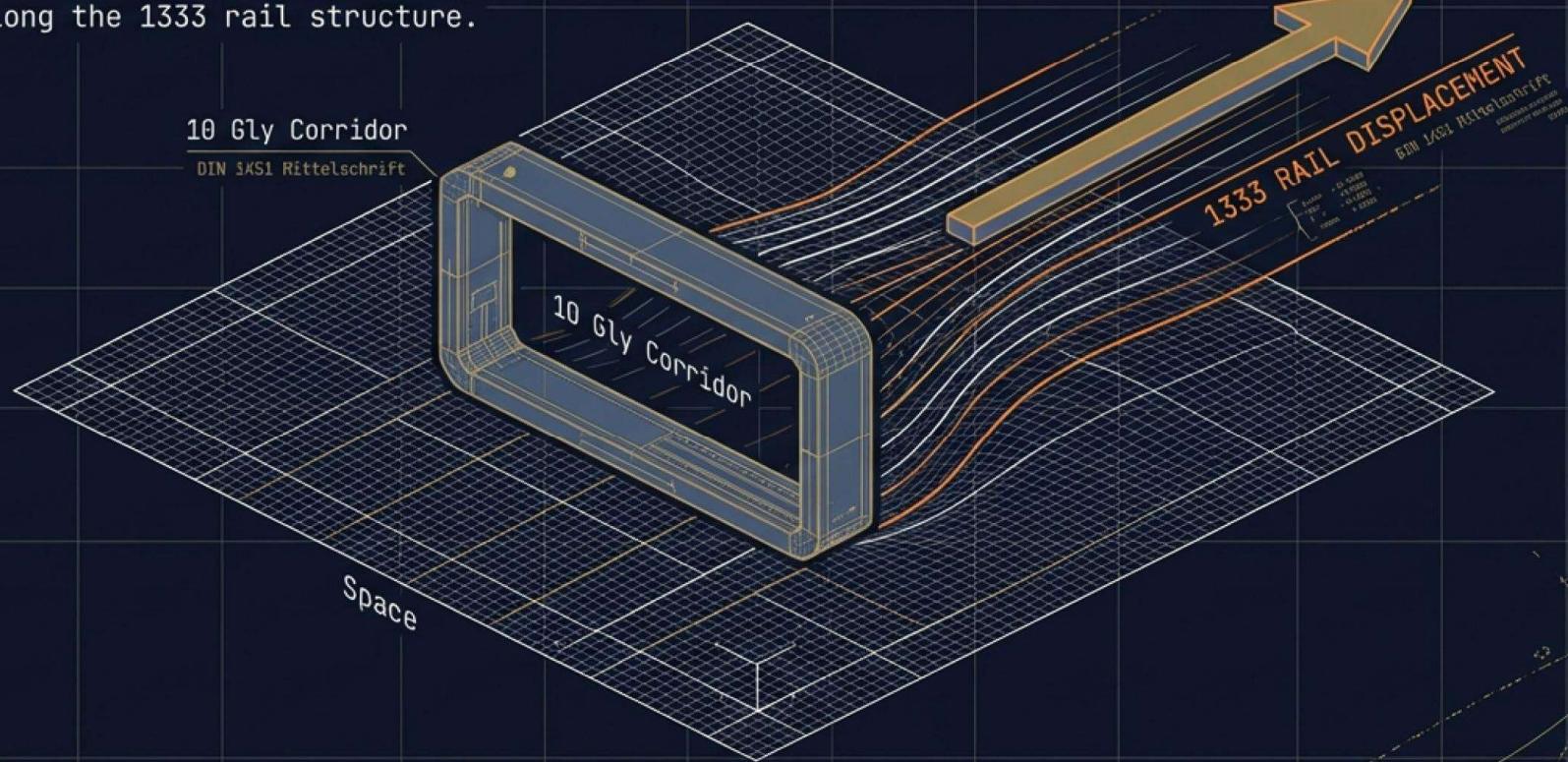
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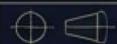
SCALE: N/A
PROJECTION: ISOMETRIC DIAGRAM
DATA SOURCE: MANIFOLD DYNAMICS
COSMIC ARCHITECTURAL

DARK ENERGY IS MECHANICAL DISPLACEMENT

What physics identifies as a mysterious force is simply the kinetic displacement of the 10 Gly corridor sliding along the 1333 rail structure.



SCALE: N/A

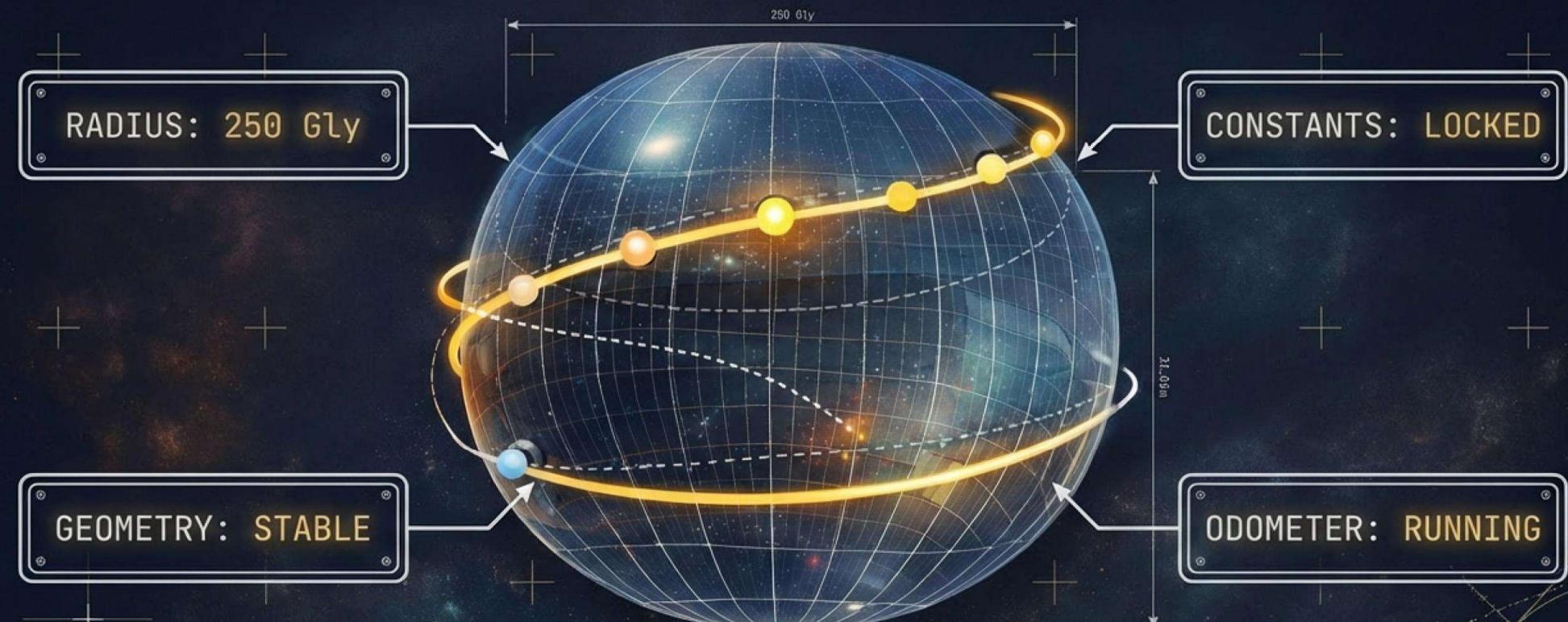


PROJECTION: ISOMETRIC DIAGRAM

DATA SOURCE: MANIFOLD DYNAMICS

COSMIC ARCHITECTURAL

FROM STATISTICALLY LIKELY TO MECHANICALLY CERTAIN.



The Nichols Radial Injection Model.

SCALE: N/A



PROJECTION: ISOMETRIC DIAGRAM

DATA SOURCE: MANIFOLD DYNAMICS

COSMIC ARCHITECTURAL