

VOLV

VERSION: V0.0

DOMAIN: FOUNDATIONAL

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VOLV

Relational motion.

REACH

Within this working model, all form, frame, structure, system, boundary, relation, and distinction are treated as differentiated conditions of the same relational motion.

TERMS

FRAME

A relative cut of VOLV.

GLOBAL FRAME

A frame globally organizing relative to the relations held within it.

LOCAL FRAME

A frame locally organizing relative to another frame.

BAND

A coherence gradient within differentiated relation.

HOLD

Stable recurrence within relational motion.

STABILITY

Coherent hold within relational motion.

CARRY

Structure retained relative to a relational cut.

LOCAL ZERO

Zero relative to a frame, relation, or carry condition.

COHERENCE BOUNDARY

The frame relative coherence relation expressed by C.

GENESIS FRAME

The earliest frame currently reconstructable.

RELATIONAL CORE

VOLV is relational motion. The terms used throughout this document attempt to describe the same relation without dividing it into separate processes or mechanisms.

SYMBOLIC RELATION

The symbols and terms used throughout this document are imperfect forms attempting to describe one VOLV relation. They carry only enough meaning

to make that relation readable and should not be treated as having complete or independent meaning beyond that use. They are not detached from the relation, but neither any single symbol nor the symbol system as a whole is identical to it. Language, drawings, equations, objects, and other symbolic forms each hold and compress part of the same relation, and the limitations of those forms remain part of the reconstruction.

PRIMITIVE RELATION

A frame relative differentiation expressed through its coherence boundary relation.

$$X_0 / X_1 = C_1^2$$

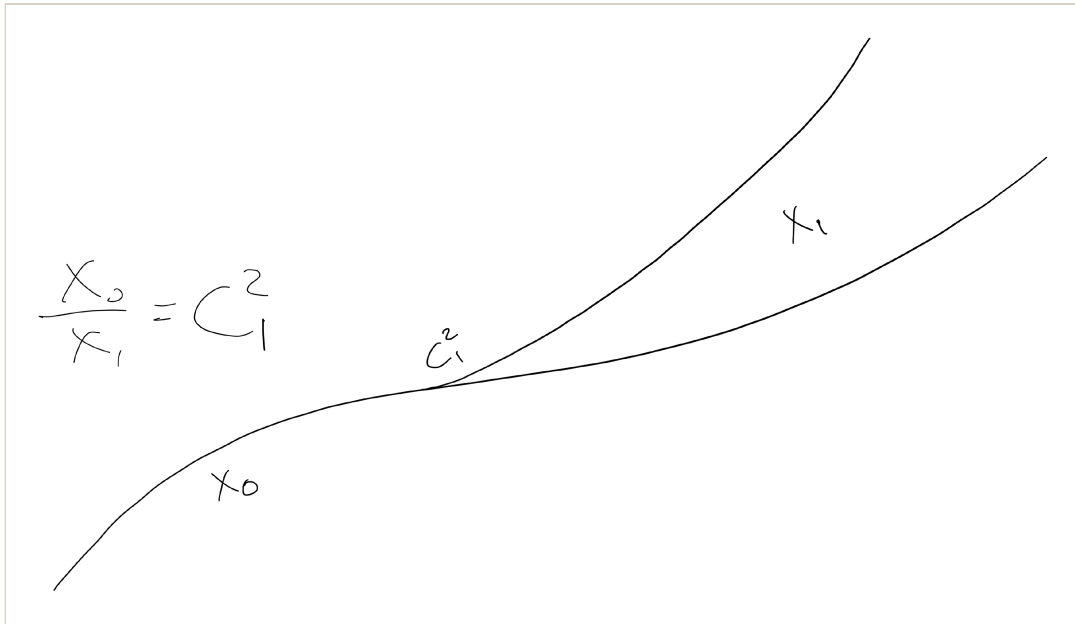
Equivalent:

$$X_0 = X_1 C_1^2$$

X_0 and X_1 are frame relative differentiations.

C_1 is their coherence boundary relation.

C_1^2 expresses the coherence boundary relation compounding with itself across the differentiation.



Primitive trace. A frame relative differentiation expressed through its coherence boundary relation.

CARRY RELATION

The primitive relation with retained structure resolved relative to a local zero.

$$X_0^2 = K_1^2 C_1^2 + X_1^2 C_1^4$$

Equivalent positive form:

$$X_0 / X_1 = C_1^2 \sqrt{1 + (K_1 / (X_1 C_1))^2}$$

K_1 is carry relative to local zero.

At:

$$K_1 = 0$$

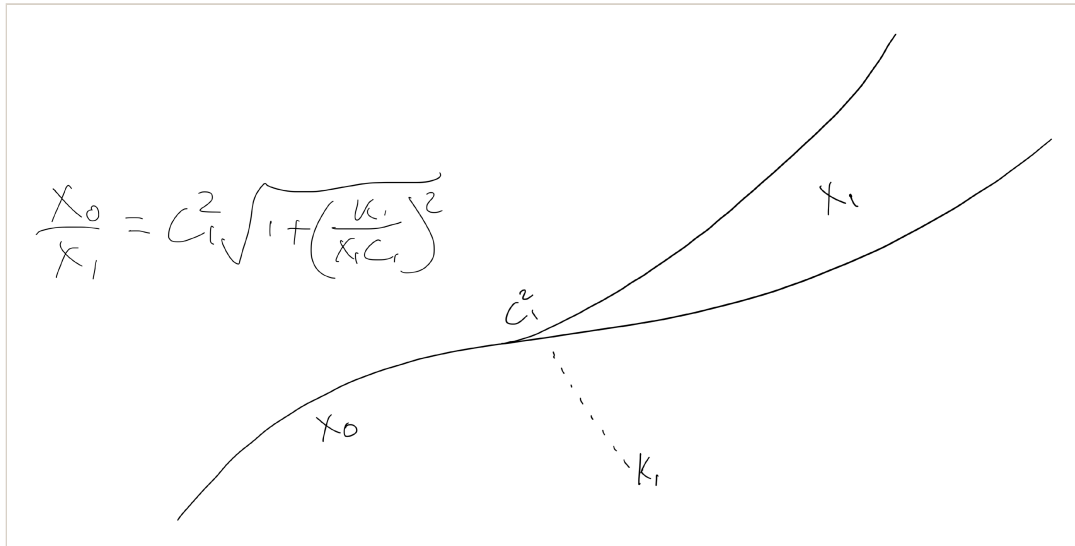
the primitive relation remains:

$$X_0 / X_1 = C_1^2$$

Zero relative carry does not mean zero motion or zero relation.

The C_1^4 term follows from:

$$(X_1 C_1^2)^2 = X_1^2 C_1^4$$



Carry trace. The primitive relation with retained structure resolved relative to local zero.

COMPOSITION

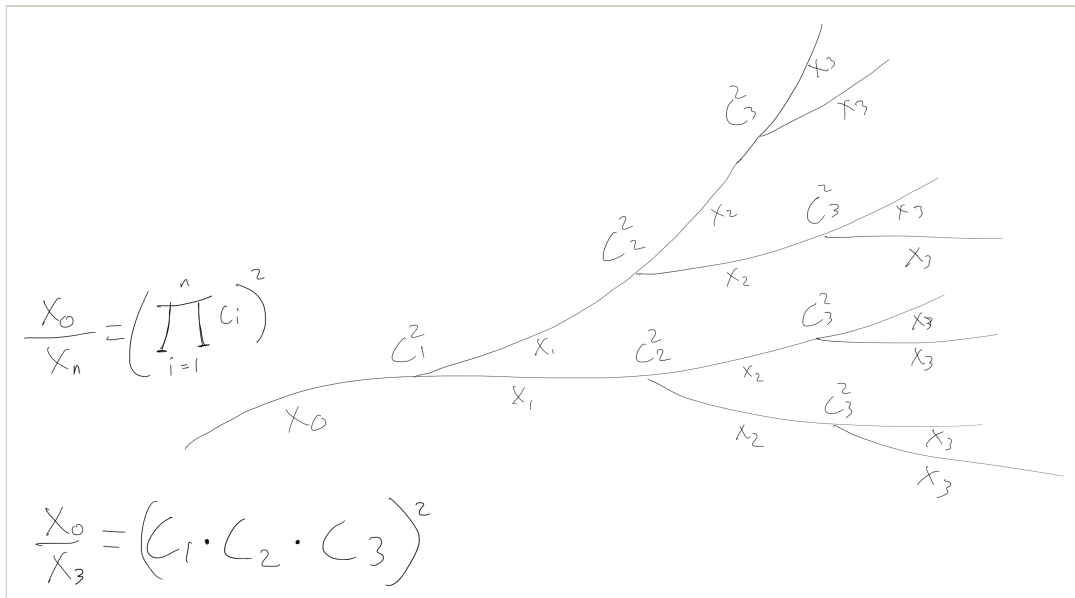
A finite sequence of local coherence relations compressed into one frame relative relation.

$$X_0 / X_n = (\prod_{i=1}^n C_i)^2$$

Equivalent expanded relation:

$$\prod_{i=1}^n (X_{i-1} / X_i) = \prod_{i=1}^n C_i^2$$

Intermediate relations may disappear from the compressed expression without having been absent, unreal, or unnecessary.



Composed trace. A finite sequence of local coherence relations compressed into one frame relative relation. Repeated X_2 and X_3 marks indicate local reads at the same composition depth. The equation expresses a single three relation path through the trace.

GENESIS

The Genesis frame is the earliest frame currently reconstructable.

Its status as an absolute beginning remains open.

It may be true Genesis.

It may be a Genesis frame carried from relation beyond the current reconstruction limit.

Anything beyond that limit remains open.

STATEMENT ORIENTATION

In the positive and negative statement blocks, = and $\neq$ express structural orientation unless a mathematical equation is explicitly given.

POSITIVE STATEMENTS

VOLV = relational motion

VOLV = no privileged direction or scale

frame = relative cut of VOLV

global frame = globally organizing relative to the relations held within it

local and global = frame relative

band = coherence gradient within differentiated relation

C = coherence boundary relation

boundary = gradient

minimum and maximum = opposing frame relative reads of one coherence gradient

hold = stable recurrence within relational motion

carry = structure retained relative to a relational cut

local zero = zero relative to a local frame, relation, or carry condition

stability = coherent hold within relational motion

symbol = real trace with carry

Genesis frame = earliest frame currently reconstructable

NEGATIVE STATEMENTS

VOLV $\neq$ object, substance, force, container, external field, mechanism, sequence of components, or separate parts

VOLV $\neq$ something moving through frames

frame $\neq$ container, detached layer, absolute separation, or chronological stage

global frame $\neq$ absolute, fully detached, or necessarily the largest possible frame

difference $\neq$ absolute separation

band $\neq$ shape, wall, container, hard edge, or place where relation stops

C $\neq$ external separator, object, wall, or additional mechanism

minimum and maximum $\neq$ separate boundaries

hold ≠ stopped motion or absolute fixation

carry ≠ motion

carry ≠ requirement for motion or relation to continue

local zero ≠ null, absolute absence, no motion, or no relation

zero carry ≠ zero motion

recurrence ≠ restoration

return ≠ reversal

primitive relation ≠ literal crossing

stability ≠ static

symbol ≠ whole relation

symbol system ≠ VOLV

representation ≠ ontology

compression ≠ absence

cancellation ≠ nonexistence

Genesis frame ≠ confirmed absolute beginning

Genesis frame $\neq$ confirmed emergence from null

current reconstruction limit $\neq$ proof that nothing preceded it

RECONSTRUCTION

Interpret every term relationally.

Use the positive and negative statements to preserve orientation across every interpretation.

Treat the terms, equations, drawings, and language as limited symbolic expressions of one relational motion.

Do not reconstruct the vocabulary as separate processes, parts, stages, or mechanisms.

VERSION RECORD

This document establishes the public form of VOLV Foundations V0.0 as of July 16, 2026.

VOLV is a developing foundational theory. This version presents its current minimum coherent structure and is not a final representation.

Each public version remains archived and is carried into the record of the next.

Vocabulary, notation, drawings, equations, definitions, and interpretations may be retained, collapsed, combined, inverted, renamed, refined, or removed while preserving the relational continuity of the work.
