

附录 X | 尺度-阈值外生性公设与无失败窗口
Appendix X | External Scale-Threshold Axiom and the No-Failure Window

X.1 附录定位
Appendix Scope

本附录用于给出
「尺度-阈值外生性公设」的正式表述，
并同时界定其唯一的结构性失效窗口。

本附录不承担解释义务，
仅用于冻结判据与失效条件。

This appendix formally states the
“External Scale-Threshold Axiom”
and simultaneously delineates
its sole structural failure window.

No explanatory obligation is assumed.
Only criteria and failure conditions are fixed.

X.2 尺度-阈值外生性公设
Axiom S | Externality of Scale and Threshold

在任一存在不可逆状态转移的系统中，
尺度与阈值不属于系统内部可推导量。

系统内部只能生成结构关系、相对比例
及状态转移形式；

任何决定系统存活、崩溃或
可达状态集合结构性收缩的
绝对尺度与阈值，
只能通过系统与其约束条件的交互
在现实运行中被固定。

In any system where irreversible state transitions exist,
scale and threshold are not internally derivable quantities.

A system can only generate structural relations,
relative ratios, and state-transition forms internally;

any absolute scale or threshold that determines
survival, collapse, or structural contraction
of the reachable state set
can only be fixed through interaction
with constraining conditions during real operation.

X.3 公设适用域
Domain of Validity

本公设适用于所有满足以下条件的系统：

存在不可回收的资源代价；

存在不可逆的状态转移；

存在导致可达状态集合收缩的失败事件。

该适用域涵盖但不限于：

物理系统、工程系统、生物系统、

认知系统、社会与制度系统。

This axiom applies to any system in which:

resource costs are non-recoverable;

state transitions are irreversible;

failures induce contraction of the reachable state set.

The domain includes, but is not limited to,
physical, engineering, biological, cognitive,
and social or institutional systems.

X.4 否定式

Negated Form

若某系统能够在
无不可逆失败、
无资源不可回收代价、
无系统-约束条件交互的前提下，
于系统内部生成
决定存活或崩溃的
绝对尺度或阈值，

则本公设失效。

If a system can,
in the absence of irreversible failure,
non-recoverable cost,
and interaction with constraining conditions,
internally generate absolute scales or thresholds
that determine survival or collapse,

then this axiom fails.

X.5 无失败窗口定义

Definition of the No-Failure Window

“无失败窗口”指一种存在区间，在其中：

任一状态转移在原则上可完全回退；

任一资源消耗可被无损补偿；

任一历史路径可被无信息损失地重写；

不存在导致可达状态集合
发生结构性收缩的不可逆事件。

The “No-Failure Window” denotes an existence regime in which:

any state transition is, in principle, fully reversible;

any resource expenditure is losslessly compensable;

any historical path is rewriteable without information loss;

no irreversible event induces structural contraction
of the reachable state set.

X.6 无失败窗口的结构后果

Structural Consequences of the No-Failure Window

在无失败窗口内：

不存在“越界即不可逆”的状态分界；

阈值不再对应系统存活或崩溃边界；

失败不释放不可替代信息；

学习不再被误差强制驱动；

淘汰机制失效，演化压力趋于零；

责任与边界失去不可回收后果的锚点；

系统分析因可达性趋于全连通而失效。

Within the No-Failure Window:

no boundary entails irreversibility upon crossing;

thresholds no longer mark survival or collapse;

failure yields no non-substitutable information;

learning is no longer error-forced;

elimination vanishes and evolutionary pressure approaches zero;
responsibility and boundaries lose anchoring in irrecoverable consequences;
system analysis fails as reachability approaches full connectivity.

X.7 公设失效条件（冻结声明） **Axiom Failure Condition (Frozen Statement)**

当且仅当现实世界
可被完整描述为一个
满足无失败窗口条件的存在论框架时，

尺度-阈值外生性公设在该框架下失效。

除此之外，
本公设保持冻结状态。

If and only if reality can be fully described
by an ontological framework satisfying
the No-Failure Window conditions,

the External Scale-Threshold Axiom fails within that framework.

Otherwise, the axiom remains frozen.

X.8 当前状态标注 **Current Status Marker**

截至目前，
未发现满足无失败窗口条件的
现实系统或理论模型。

本附录所述失效窗口
仅作为形式化占位存在。

As of now,
no known real system or theoretical model
satisfies the No-Failure Window conditions.

The failure window specified herein
functions solely as a formal placeholder

另一个形式系统
an independent formal system
唯心主义壳

公理 IO（唯一对象）
心即一切。

公理 I1 (同一性)

我心 \equiv 宇宙。

推论 I2 (无外部)

不存在外在对象、外在尺度、外在约束。

规则 I3 (判定)

任何被感知之物，已在我心中成立。

任何未被感知之物，不构成问题。

规则 I4 (矛盾处理)

若出现矛盾，则矛盾亦在我心中成立。

无需解决。

终止 I5

既然我心即宇宙，

则无需进一步推理。

⊥

完毕。

Idealist Collapse

Axiom I0 (Single Object)

Mind is all.

Axiom I1 (Identity)

My mind \equiv the universe.

Corollary I2 (No Exterior)

No external object, scale, or constraint exists.

Rule I3 (Judgment)

Whatever is perceived is already established within the mind.

Whatever is not perceived poses no problem.

Rule I4 (Contradiction Handling)

If contradiction arises,

the contradiction is also established within the mind.

No resolution is required.

Termination I5

Since mind is the universe,

no further inference is necessary.

⊥

Complete..

混合主义壳

公理 H0 (双重成立)
我心即宇宙,
且宇宙独立于我心。

公理 H1 (并置而不统一)
上述两命题同时成立,
且不要求一致。

规则 H2 (切换)
当解释失效时, 切换视角。
当视角冲突时, 保留冲突。

推论 H3 (不可归约)
不存在更高层的统一解释。

终止 H4
既然切换本身可用,
则无需固定立场。

⊥
完毕。

Hybrid Collapse

Axiom H0 (Dual Validity)
Mind is the universe,
and the universe is independent of mind.

Axiom H1 (Juxtaposition without Unification)
Both propositions hold simultaneously,
without requiring consistency.

Rule H2 (Switching)
When explanation fails, switch perspectives.
When perspectives conflict, retain the conflict.

Corollary H3 (Irreducibility)
No higher-order unifying explanation exists.

Termination H4
Since switching itself remains usable,
no fixed stance is required.

⊥
Complete.

实用主义壳

公理 P0 (可用性优先)
凡是此刻有用的, 即为真。

公理 P1 (时效性)
真理仅在使用窗口内成立。

规则 P2 (失效处理)
一旦无用, 即刻弃用,
无需反思。

终止 P3
既然用途已评估,
则无需继续讨论真理。

⊥
完毕。

Pragmatic Collapse

Axiom P0 (Usability First)
Whatever works now is true.

Axiom P1 (Temporal Validity)
Truth holds only within its window of use.

Rule P2 (Failure Handling)
Once it no longer works, discard it immediately.
No reflection required.

Termination P3
Since usefulness has been evaluated,
no further discussion of truth is necessary.

⊥
Complete.

形式系统 虚无主义壳

公理 N0 (否定起点)
不存在必须成立的命题。

规则 N1 (任意性)
任何命题皆可提出,
亦可忽略。

推论 N2 (无损失)
否定不产生额外代价。

终止 N3
既然无事重要,
则无需继续。

⊥
完毕。

Nihilist Collapse

Axiom N0 (Negation as Origin)
No proposition is required to hold.

Rule N1 (Arbitrariness)
Any proposition may be stated
or ignored.

Corollary N2 (No Loss)
Negation incurs no additional cost.

Termination N3
Since nothing is essential,
there is no reason to proceed.

⊥
Complete.

其他主义壳

起点
随便。

展开
想到什么就是什么。
不需要理由。
不需要一致。

处理
看不懂也算成立。
看懂了也不重要。

终止
不想写了。

⊥
完毕。

Whateverism

Start
Whatever.

Expansion
Anything that appears is accepted.
No reason required.
No consistency expected.

Handling
Not understanding counts.
Understanding does not matter.

Termination
No desire to continue.

⊥
Complete.

