

KURPISHEV LOGIC 2

Monograph 6.0

TOM III

V*P PHYSICS AND COSMOLOGY

stratified time, packet cosmology, PredRep

$C@C = (e,s) \quad \text{Rep}_i = (R_i, I_i, U_i; D_i)$

$\text{Truth}(\text{Rep}) \Leftrightarrow \text{cr}(U,I;R,D) = -1$

$T_{cs} = T + R \quad \text{PredRep} = (R,I,U;D;L,T,E,S)$

KLT-RBD: source -> work -> extraction -> Rep -> graph -> prediction

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KURPISHEV LOGIC 2

**VOLUME III. V*P PHYSICS, STRATIFIED
TIME, PACKET COSMOLOGY, PREDREP
AND KLT-RBD/RPD**

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2026 · publication build v3.9

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Abstract

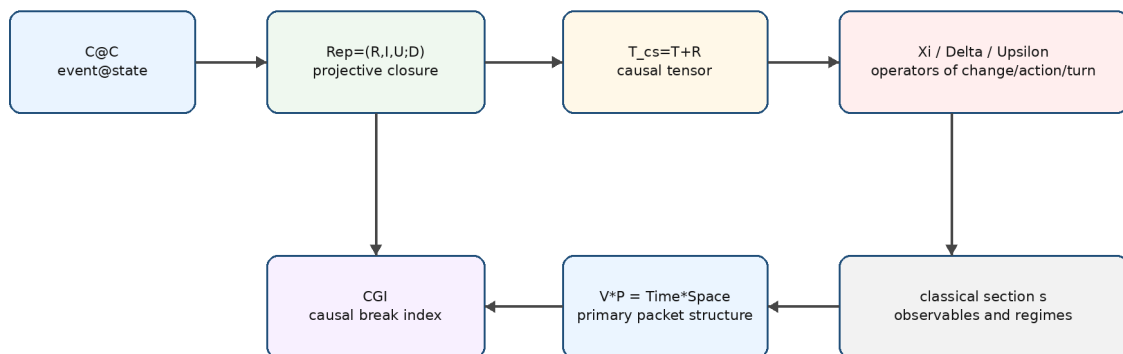
Volume III develops the physical and cosmological branch of Monograph 6.0: V^*P , stratified time, packet cosmology, PredRep and KLT-RBD/RPD.

Chapter 1

Publication orientation of the volume

Main line: $C@C \rightarrow \text{Rep} \rightarrow T_{cs} \rightarrow \text{Xi/Delta/Upsilon} \rightarrow \text{CGI} \rightarrow V^*P \rightarrow \text{packet cosmology} \rightarrow \text{PredRep} \rightarrow \text{KLT-RBD/RPD}$.

Tom III v3.9: V^*P physics and packet cosmology



Interpretation: classical space-time is treated as an admissible reduction or section, not as the first ontological arena.

Chapter 2

Article 1. The ontology of V*P: time as primary packet support

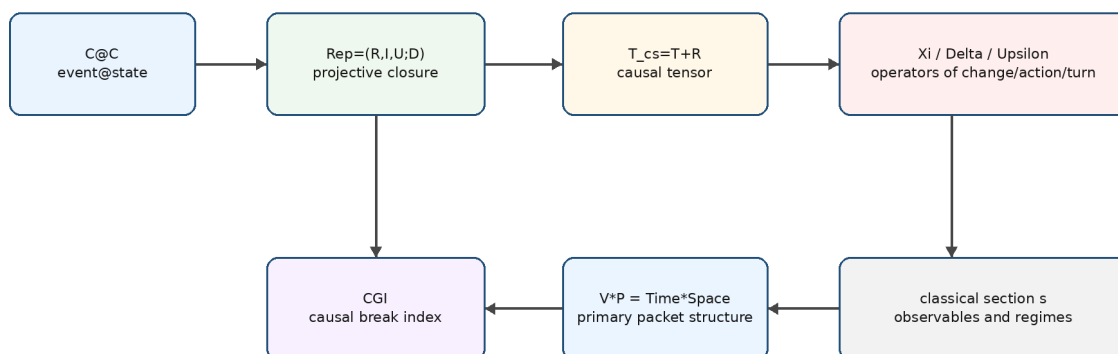
Abstract. This chapter fixes V*P not as a metaphor but as the physical-ontological gateway of Monograph 6.0: space is not accepted as the first container; it is read as a realized section over a stratified temporal-packet structure.

Phenomenological entry. We usually see things in space and measure them in time. Yet perception itself already contains a turn: an object is retained only when the event of perception is fixed in a state. Physics therefore begins with event@state rather than with an empty space.

Kurpishev's authorial thesis is that Time*Space is a primary packet structure. The sign * does not denote ordinary multiplication; it indicates packet holding, turn and reduction. Space becomes a layer, a section or a mode of manifestation of a deeper temporal-packet connectedness.

The classical arena is not rejected. It is obtained after C@C, Reper closure, causal tensorization and the operator triad Xi/Delta/Upsilon have been fixed.

Tom III v3.9: V*P physics and packet cosmology



Interpretation: classical space-time is treated as an admissible reduction or section, not as the first ontological arena.

Chapter 3

Article 2. Stratified time and packet dimensionality

Abstract. Stratified time is formulated as a multi-level structure in which point, line, surface, space and hyperaxis define different regimes of fixation.

The link with PN.2 is direct: a packet object cannot be exhausted by a simultaneous external fixation of size and dimensional mode. Size appears inside a layer; dimensionality changes through the passage between layers.

The horizon is the simplest phenomenological example. It is seen as a line, operates as a surface of possibility, and in cosmology becomes a boundary of observable space.

Chapter 4

Article 3. From Reper to the causal tensor: the KPF/RPHD bridge

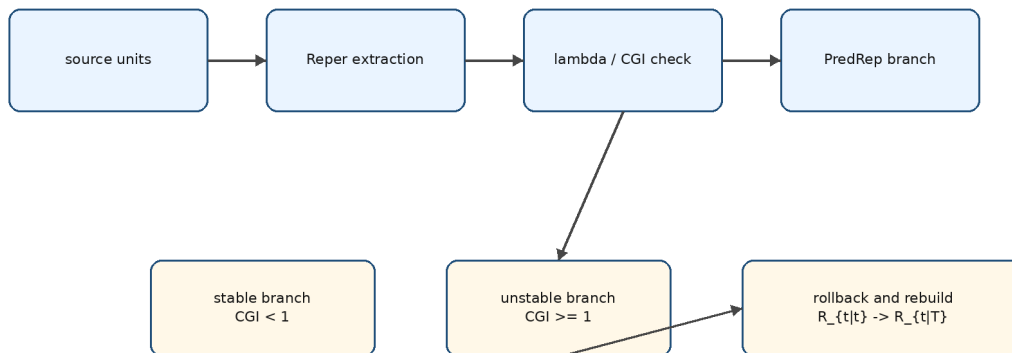
Abstract. Reper is the minimal reversible structure; $T_{cs}=T+R$ fixes causal connectedness.

Causality is not reduced to a linear cause-effect chain. It must be tensorial: torsion marks the place of rupture, while curvature marks the regime of deterministic support.

Ξ , Δ and Υ separate change, action and turn. Without this distinction, a physical theory confuses event, process and result.

CGI identifies the point at which a causal chain is no longer stable.

PredRep and causal reconstruction layer



The predictive layer is not linear extrapolation; it is a constrained Reper reconstruction through limits, operators and causal stability.

Chapter 5

Article 4. Reduced isotropic packet cosmology

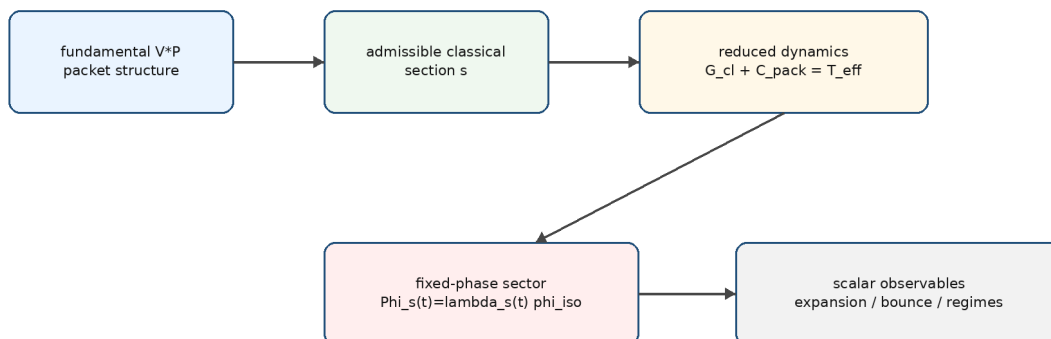
Abstract. The cosmological layer of Volume III is a controlled V*P reduction. It is not a completed observational cosmology, but a mathematical protocol for extracting an admissible isotropic sector.

The reduction gateway consists of four stages: fundamental V*P structure; dynamically admissible classical section; reduced equation; fixed-phase isotropic sector.

The main equation is $G^{cl}_s + C^{pack}_s = T^{eff}_s$. The right-hand side is an effective layer, not a final substance.

The status is pre-comparison and pre-dark-sector.

Reduced isotropic packet cosmology: controlled sector



Status rule: the model is pre-comparison and pre-dark-sector; it defines a mathematically controlled reduction protocol.

Chapter 6

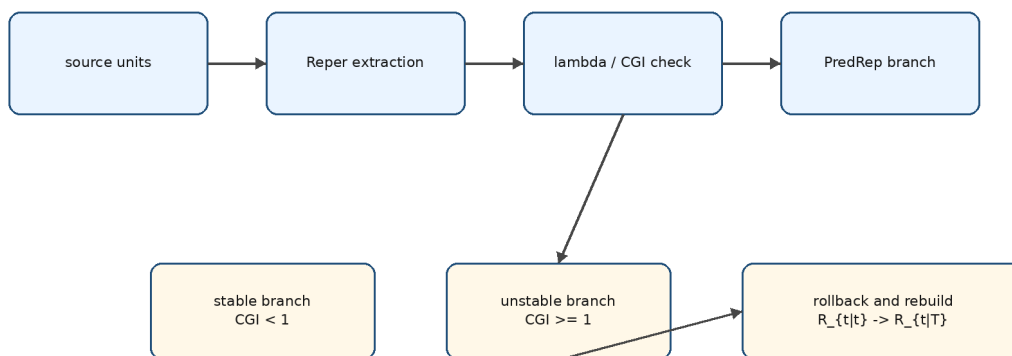
Article 5. PredRep: prediction as Reper reconstruction

Abstract. PredRep is a computable form of forecasting in which the future is not a linear continuation of the past but a constrained branch through limits, operators and CGI.

PredRep=(R,I,U;D;L,T,E,S) extends Reper by limits, time, energy/ecology and status.

Past data remain constant, but the Reper of the past is reconstructable: $R_{\{t\}} \rightarrow R_{\{t|T\}}$.

PredRep and causal reconstruction layer



The predictive layer is not linear extrapolation; it is a constrained Reper reconstruction through limits, operators and causal stability.

Chapter 7

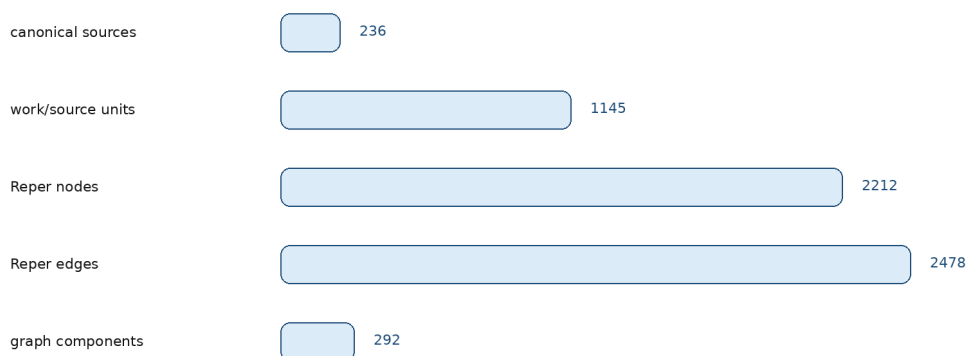
Article 6. KLT-RBD/RPD as computational memory of physics

Abstract. RBD/RPD stores sources, Reper nodes, graph components and links. It gives the theory a machine-readable memory.

The corrected scale is 236 canonical sources, 1145 work/source units, 2212 Reper nodes, 2478 Reper edges and 292 graph components.

No formula is allowed to float in a void: it requires source, domain, sufficient foundation, status and graph position.

KLT-RBD/RPD scale used by Volume III



These counts define the computational memory layer against which V*P and PredRep are indexed.

Chapter 8

Article 7. Boundaries of claims and classical background

Abstract. This chapter separates the authorial layer from the classical background. V^*P does not cancel differential geometry, tensor analysis, relativity or quantum questions; it gives a packet level on which reductions are disciplined.

Rashevsky, Einstein, Feynman and Bourbaki are source-card layers. Kurpishev's own contribution is fixed as PN.2, packet formalisms, V^*P , Reper/RBD, KLT and PredRep.

The result of Volume III is the chain $C@C \rightarrow \text{Rep} \rightarrow T_{cs} \rightarrow \text{Xi/Delta/Upsilon} \rightarrow \text{CGI} \rightarrow V^*P \rightarrow \text{PredRep}$.

Chapter 9

Formula index

ID	Formula	Meaning
III-F01	$C@C=(e,s)$	elementary event-state unit
III-F02	$Rep_i=(R_i,I_i,U_i;D_i)$	Reper as projective-harmonic carrier
III-F03	$T_{\{cs\}}=T+R$	causal tensor split into torsion-hole and curvature-determinacy
III-F04	$\Xi_{\tau}:T \rightarrow T, \Delta_{\nu}:P_{empty}, \nu > T, \Upsilon:\Delta(P_{empty}) \rightarrow T$	operator triad of change, action and turn
III-F05	$CGI_i=(T_{hole}^L + F_{cent}^{\{\Xi\Upsilon\}} +sum B_{\nu})/(r_i u_i + \epsilon)$	dimensional index $\{P@S\}$
III-F06	$V*P=Time*Space$	primary packet structure of time and space
III-F07	$G^{cl_s}+C^{pack_s}=T^{eff_s}$	reduced packet field equation
III-F08	$\Phi_s(t)=\lambda_s(t) \phi^{s_{iso}}$	fixed-phase isotropic sector
III-F09	$PredRep=(R,I,U;D;L,T,E,S)$	predictive Reper extension
III-F10	$R_{\{t t\}} \rightarrow R_{\{t T\}}$	retro-Reper reconstruction rule

Chapter 10

Authorial priority register

ID	Position	Function
P-KUR-VP	V*P Время*Пространство	/ authorial packet-physical bridge: time is primary packet support; space is read as section or layer
P-KUR-PACK	Packet formalisms of Kurpishev	general operation X*Y as package relation rather than ordinary multiplication
P-KUR-PN2	PN.2	uncertainty of simultaneous size/dimensional fixation of a packet object
P-KUR-REP	Reper and RBD	Rep=(R,I,U;D) and Reper Database as formal scientific memory
P-KUR-KLT	KLT and lambda-truth	lambda-closure as structural authorization criterion
P-KUR-PRED	PredRep	predictive layer of constrained Reper reconstruction

Chapter 11

Source-cards

ID	Source	Role
SRC-MON5	Monograph 5.0	C@C, Reper, lambda-truth, KPF/RPHD, V*P bridge
SRC-TOMII	Volume II v3.8	strict geometry, NAPG/KPF, Desargues-Kurpishev, Fano/PILOT-01
SRC-TOMIII	Source Volume III v1.4	V*P, KLT-RBD/RPD, PredRep, reduced packet cosmology
SRC-APP-D	Appendix D	unified source, formula and thought index
SRC-APP-E	Appendix E	corrected RPD/RBD scale and Reper graph metrics
SRC-RASH	P.K. Rashevsky	Riemannian geometry and tensor analysis as classical tensor background
SRC-EIN	A. Einstein corpus	relativity and the classical space-time problem
SRC-FEY	Feynman Lectures registered in RBD	physical conceptual source layer for mechanics, fields and quantum motivation

Appendix A

Source excerpt

ЛОГИКА КУРПИШЕВА 2

ТОМ III

V*P, KLT-RBD/RPD, PredRep и приложения

космология, программный слой, ФИПС-инвесторское приложение

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2026 [III-006] [III-007] [III-009]

Аннотированное оглавление

1. V*P и космология

Редукционный шлюз и изотропный сектор.

2. KLT-RBD/RPD

Документ как C@C, Reper, λ , CGI, rebuild.

3. PredRep

Предсказательная математика.

4. Приложение A [III-011]

Инвесторы, ФИПС, ведомства, сайт.

5. Факсимиле

Космология, KLT-RBD/FIPS, branch tables.

V*P / KLT-RBD / PredRep / приложения: текстовый блок

Том III. V*P, KLT-RBD/RPD, PredRep и приложения

Монография 6.0 RU v0.7

Checkpoint: KLT-DOCTRINE-6-0-REBUILD-VOLUMES-RU-v0.7

Иван Борисович Курпишев / Ivan Borisovich Kurpishev · Independent Researcher · Kal

Аннотация тома III

Том III собирает физико-космологическую и практическую ветви: V*P, reduced isotrop

BLOCK_03_VP_PHYSICS_COSMOLOGY_RU_v0_3

Блок 03. V*P-физика и космология [III-001]

стратифицированное время, V*P-редукция, изотропная космология

Checkpoint: KLT-DOCTRINE-6-0-REBUILD-BLOCKS-RU-v0.3

Назначение блока 03

Этот блок продолжает v0.2 и добавляет физико-космологический слой Монографии 6.0.

Редакторская фиксация

В Монографии 5.0 уже задана связка C@C -> Reper -> λ -> KPF/RPHD -> V*P. В v0

Минимальные формулы блока

text

$C@C = (e, s)$

$Rep_i = (R_i, I_i, U_i; D_i)$

V*P = Time*Space as primary packet structure

$G_{cl_s} + C_{pack_s} = T_{eff_s}$

$\Phi_s(t) = \lambda_s(t) \phi_{iso_s}$

$\text{PredRep} = (R, I, U; D; L, T, E, S)$ [III-002] [III-003] [III-008]

Схема редукции

В физической ветке $v0.3$ используется следующий шлюз: фундаментальная V^*P -структура

Русская редакционная реконструкция космологической статьи

Космологический источник ``paper3_isotropic_cosmology.pdf`` является английским текстом

Содержание космологического слоя

1. Импортируется фундаментальная V^*P -система, имеющая геометрически и динамически
2. На сечении s задается редуцированная классическая структура $C_s = (M_s, g_s, \text{nabla}_s)$
3. Редуцированная динамика читается в форме $G_{cl_s} + C_{pack_s} = T_{eff_s}$.
4. Выделяется генератор ϕ_{iso} и одномерный сектор $I_{iso} = \text{Span}_R\{\phi_{iso}\}$.
5. Космологическая траектория задается $\Phi_s(t) = \lambda_s(t) \phi_{iso_s}$.
6. Скаляризация выполняется проекцией на коэффициент генератора ϕ_{iso} .
7. Получается слой эффективных наблюдаемых и режимов: `expansion, acceleration, bou`

Редакторское правило статуса

Космологический слой имеет статус `pre-comparison` и `pre-dark-sector`. Он не утверждает

Извлеченный текстовый ориентир из русского NAPG/ V^*P -корпуса

Ниже сохранен рабочий фрагмент из уже включенных NAPG/ V^*P -источников, чтобы при ск

Monographia NAPG / V^*P -фрагмент

```
\documentclass[12pt,a4paper]{book}
```

```
\usepackage[T2A]{fontenc}
```

```
\usepackage[utf8]{inputenc}
```

```
\usepackage[english,russian]{babel}
```

```
\usepackage{amsmath,amssymb,amsthm,amsfonts,mathrsfs}
```

```
\usepackage{geometry}
```

```
\geometry{margin=1in}
```

```
\usepackage{hyperref}
```

```
\hypersetup{colorlinks=true,linkcolor=blue,citecolor=blue,urlcolor=blue}
```

```
\usepackage{cleveref}
```

```
\usepackage[all]{xy}
```

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\usepackage{makeidx}
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```
\makeindex
```

```
% Теоремы и определения
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\newtheorem{theorem}{Теорема}[chapter]
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```
\newtheorem{corollary}[theorem]{Следствие}
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\newtheorem{hypothesis}[theorem]{Гипотеза}
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% Операторы
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```

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\DeclareMathOperator{\Test}{Test}
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\newcommand{\cB}{\mathcal{B}}
\newcommand{\cC}{\mathcal{C}}
\newcommand{\cE}{\mathcal{E}}
\newcommand{\cF}{\mathcal{F}}
\newcommand{\cH}{\mathcal{H}}
\newcommand{\cL}{\mathcal{L}}
\newcommand{\cM}{\mathcal{M}}
\newcommand{\cN}{\mathcal{N}}
\newcommand{\cO}{\mathcal{O}}
\newcommand{\cP}{\mathcal{P}}
\newcommand{\cR}{\mathcal{R}}
\newcommand{\cT}{\mathcal{T}}
\newcommand{\cV}{\mathcal{V}}
\newcommand{\cX}{\mathcal{X}}
\newcommand{\bT}{\mathbb{T}}
\newcommand{\bR}{\mathbb{R}}
\newcommand{\bC}{\mathbb{C}}
\newcommand{\bZ}{\mathbb{Z}}
\newcommand{\bN}{\mathbb{N}}
\newcommand{\bP}{\mathbb{P}}
\newcommand{\fk}{\mathfrak{f}}
\newcommand{\g}{\mathfrak{g}}
\newcommand{\h}{\mathfrak{h}}
\newcommand{\ii}{\mathrm{i}}
\newcommand{\ee}{\mathrm{e}}
\newcommand{\dd}{\mathrm{d}}
\newcommand{\ST}{\{\operatorname{st}\}}
\newcommand{\Hdg}{\{\operatorname{Hdg}\}}
\newcommand{\FOS}{\{\operatorname{FOS}\}}
\newcommand{\pkg}{\{\operatorname{pkg}\}}
\newcommand{\constr}{\{\operatorname{constr}\}}
\newcommand{\ObB}{\{\operatorname{Ob}_B\}}
\newcommand{\ObH}{\{\operatorname{Ob}_{H^3}\}}
\newcommand{\cBspace}{\mathcal{O}_B}
\newcommand{\cHthree}{H^3}
\newcommand{\cMpkg}{\mathcal{M}_{\operatorname{pkg}}}
\newcommand{\cXadm}{\mathcal{X}_{\operatorname{adm}}}
\newcommand{\cFtwo}{\mathcal{F}^{(2)}}
\newcommand{\Hodge}{\ast}
\newcommand{\hodgestar}{\Hodge}
% Название
\title{Теория стратифицированного времени Курпишева: ассоциаторная жёсткость и неа}
\author{Иван Борисович Курпишев}
\date{2026}
\begin{document}
\maketitle
\tableofcontents
\chapter*{Введение}

```