

CONFIDENTIAL - JUNE 2026

The \$7.2B alt-data market has a **topology problem.**

Every quant fund, every risk desk, every algo — they all run the same linear math on the same data. When regimes shift, they all break at the same time. Kairos Signal applies Topological Data Analysis — to detect structural breaks before they show up in price.

63

DAG LAYERS

256D

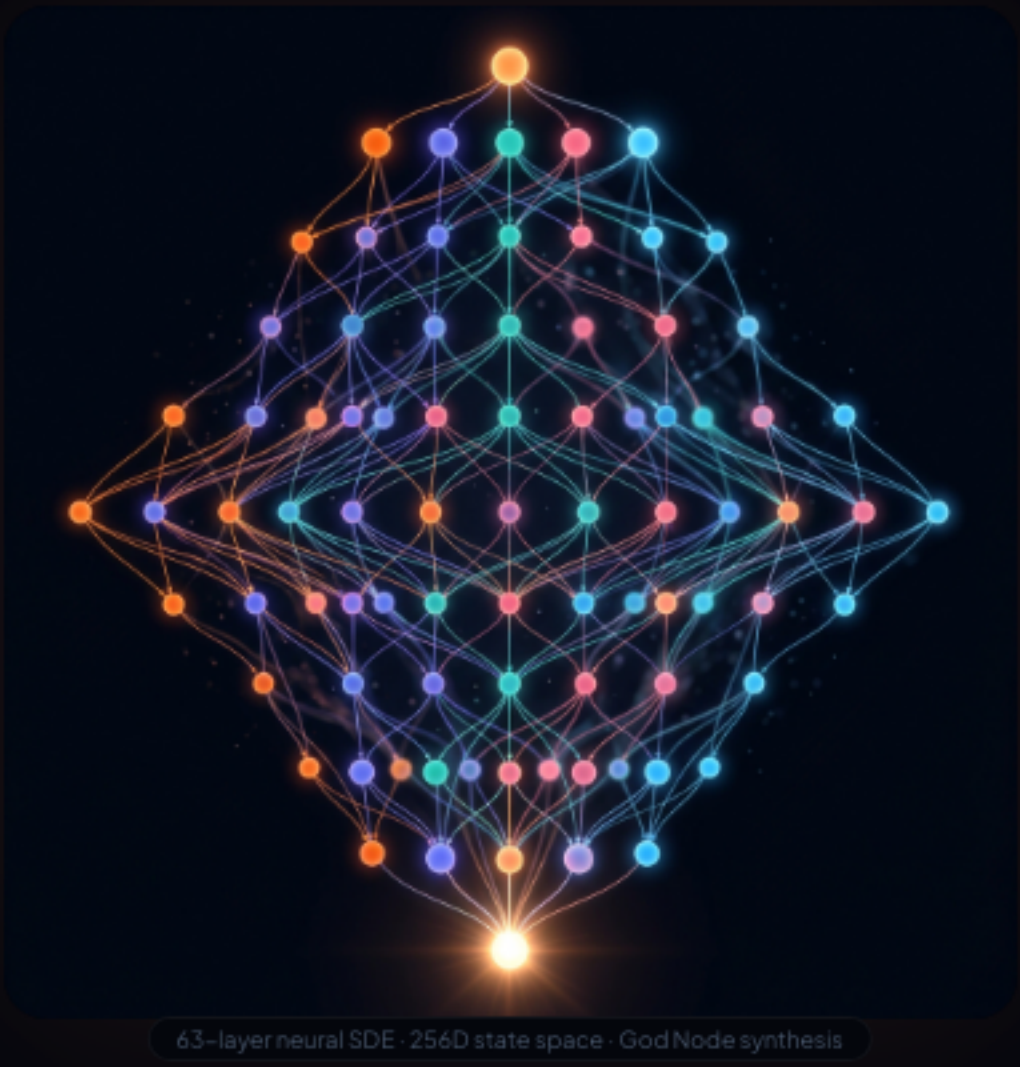
STATE SPACE

47.8K

TPS INGESTION

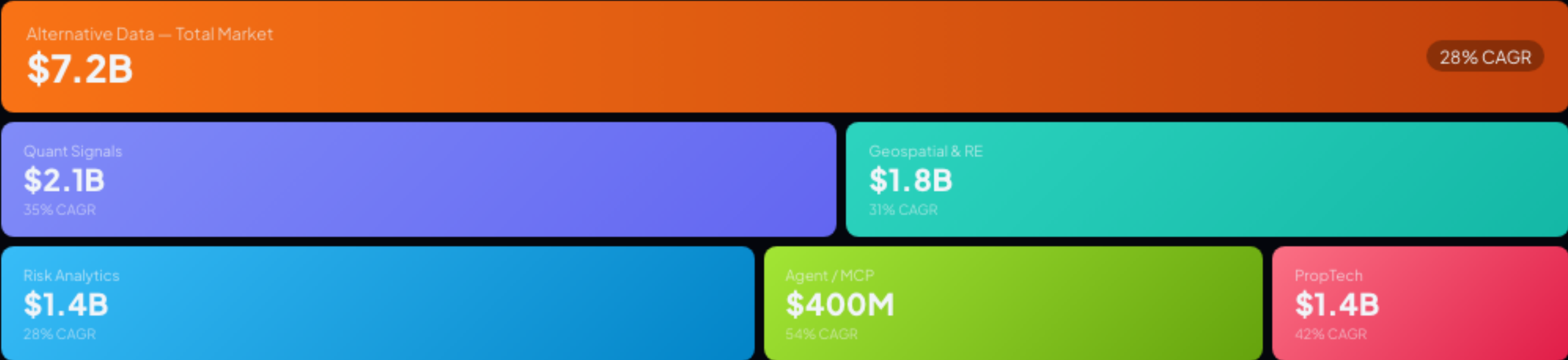
Live

API - PRODUCTION



MARKET OPPORTUNITY

Where we play — and what each vertical is worth



Source: Grand View Research, Precedence Research · 2026 estimates

We sell into all five

Quant signals: Topological vectors and regime detection. Direct API competition with Bloomberg Terminal signals at 1/160th the price.

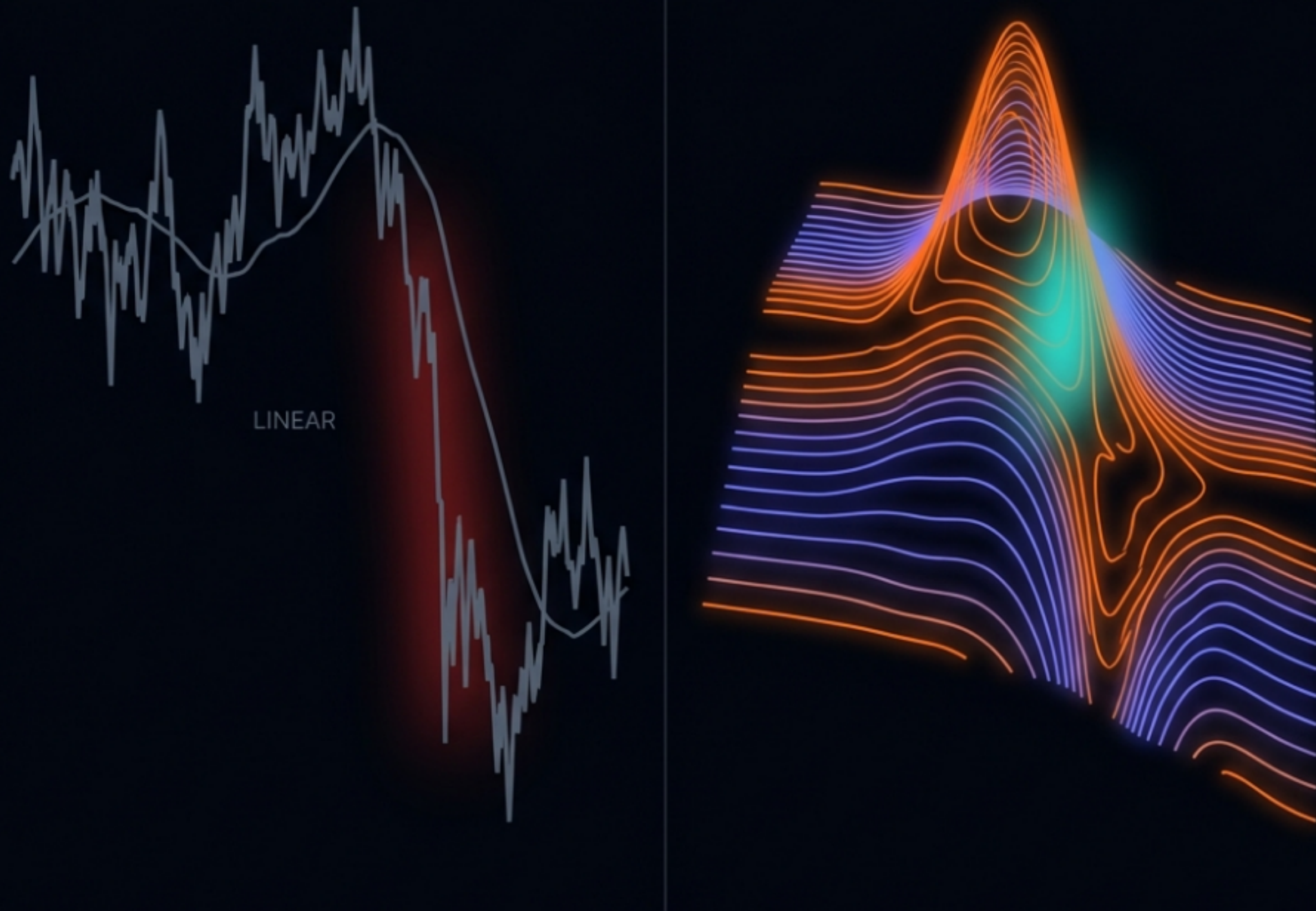
Geospatial & RE: 36,800+ distressed property leads with skip-traced contacts. Faster than county records, richer than PropStream.

Risk analytics: Lyapunov chaos detection and manifold curvature — structural risk metrics no one else computes.

Agent commerce: MCP-native distribution. AI agents discover and purchase our data autonomously. Zero CAC channel.

Total addressable across all five verticals: \$12.9B by 2028. Our wedge: the only production API combining topological market intelligence with enriched real estate data. **We map localized economic distress vectors onto our 256D topological manifold to identify foreclosures 45 days before county listings.**

Linear math breaks at the worst time. Ours doesn't.



Side-by-side limitations of linear indicators v. predictive power of topological manifold 'seeing' before the regime break in advance.

Left: What everyone else sees

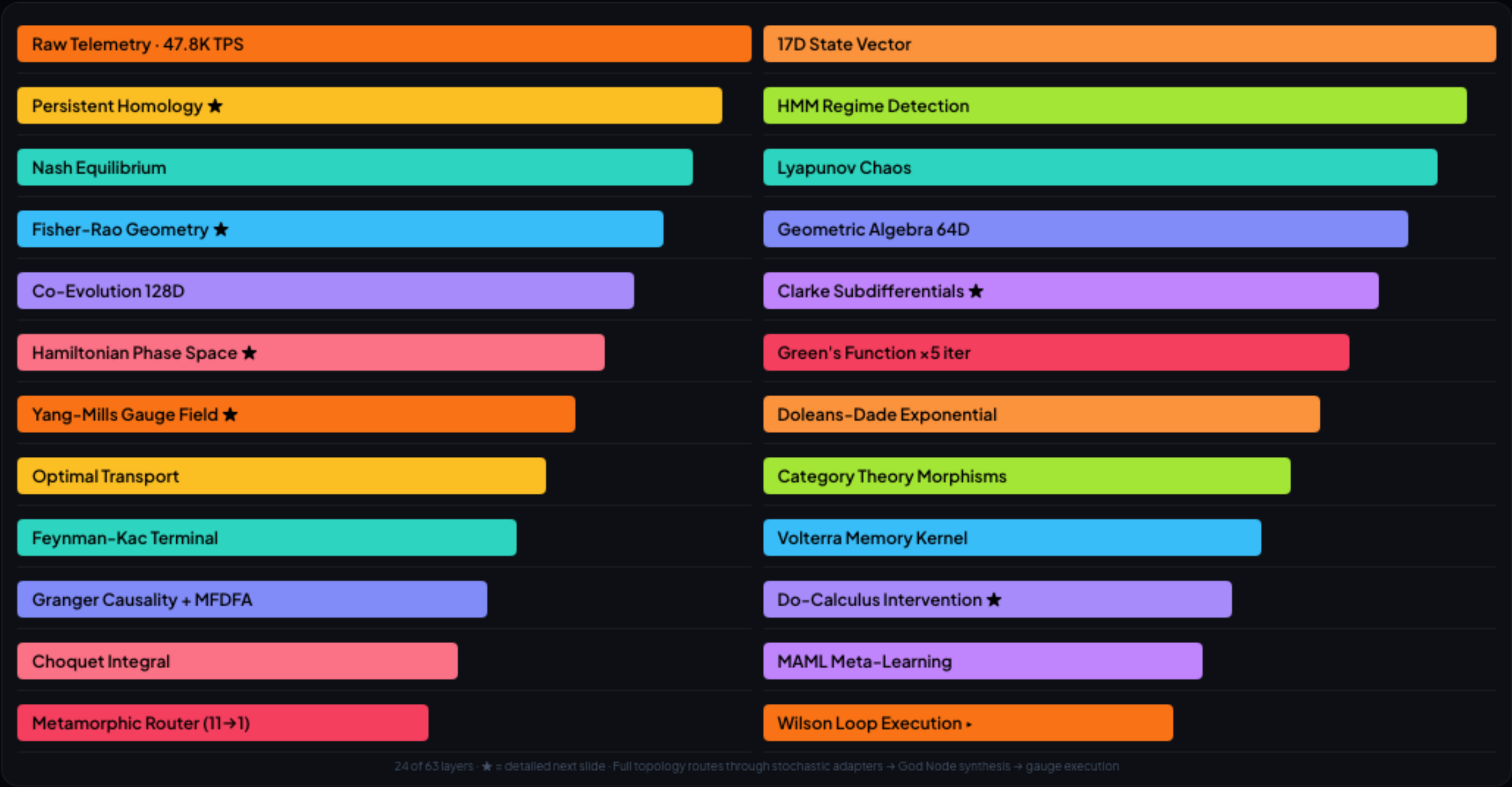
Moving averages, Bollinger bands, RSI — all lag behind the crash. By the time the indicator confirms the regime shift, the damage is done. Every quant desk using the same linear tools breaks at the same moment.

Right: What our topology sees

The manifold curvature (orange/indigo contours) peaks **before** the price drops. The teal spike is our system detecting that the topological structure of the market is tearing apart — the Betti numbers are changing, the persistent features are dying. We see the regime break in the **shape of the data**, not in the price.

63 mathematical layers. Not 12.

A directed acyclic graph where every layer feeds downstream. Compiled Cython core at 47.8K TPS on bare metal.



Fisher-Rao: the bulletproof layer

Every data stream is a probability distribution. Fisher-Rao measures **statistical distance on a curved manifold**. When signals that should be independent collapse toward each other, Fisher-Rao detects **manifold collapse** and vetoes the trade. 63 streams stay connected but separate. Compiled Cython.

Persistent Homology: reading the shape of markets

Betti numbers computed via Ripser — tracking when topological features (loops, voids, components) are born, persist, and die. When the **shape** of data tears apart, that's a regime transition visible before price moves.

The 35.8σ signal

Engine detected a cross-asset structural anomaly at **35.8 standard deviations**. In a Gaussian universe, impossible. It's not Gaussian — and our math is built for exactly that.

THE MATH NO ONE ELSE SHIPS

Physics-informed layers. Production-compiled.

Yang-Mills + Hamiltonian + Clarke

Yang-Mills gauge fields treat cross-asset correlations as a non-abelian gauge connection. Wilson loop integrals around asset cycles detect arbitrage — if the loop integral $\neq 0$, there's a structural mispricing. **Hamiltonian phase space** maps market energy (momentum $\times$ position) onto a symplectic manifold — conservation laws reveal when energy is building or dissipating. **Clarke subdifferentials** handle non-smooth markets — real prices have kinks, jumps, and discontinuities. Clarke's generalized gradients optimize through them.

Pearl's Do-Calculus: true causality

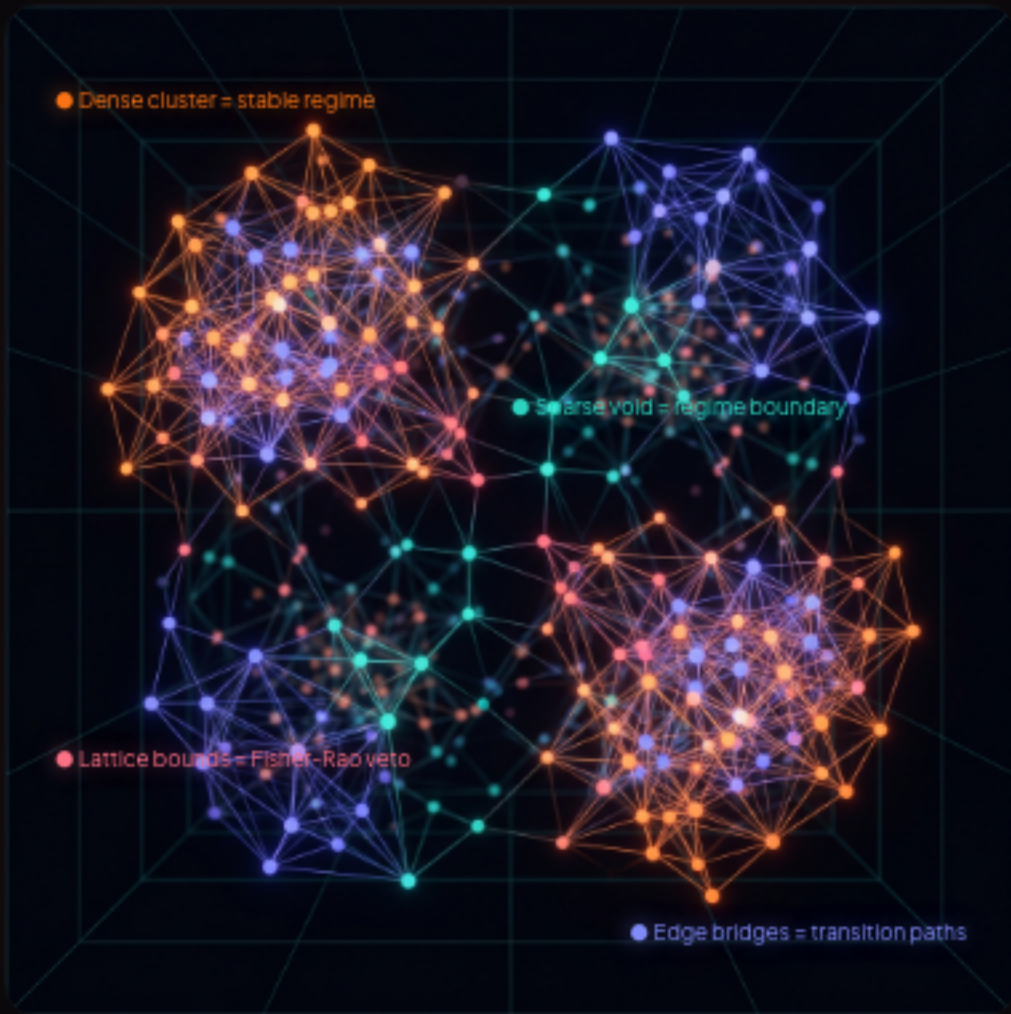
Every signal must pass **Judea Pearl's interventional test**. We don't ask "**does X correlate with Y?**" — we ask "**if we intervene on X, does Y still move?**" The system builds a structural causal DAG, then applies **backdoor adjustment** to strip every confounder — macro liquidity, sector rotation, regime state. What's left is the **true causal effect**: $P(Y \mid \text{do}(X)) = \sum_Z P(Y|X,Z)P(Z)$. If the signal drops below threshold after deconfounding, the trade is vetoed as spurious.



Why this combination is the moat

Any one layer — TDA, gauge theory, causal inference — can be researched independently. A 63-layer DAG running all of them **simultaneously in real time** across 974 symbols at 47.8K TPS is 18 months of engineering no one else has assembled. Fisher-Rao vetoes correlated signals. Pearl vetoes spurious causation. Yang-Mills detects structural mispricings. The result: **78% precision at high confidence** — because every signal is validated by physics, topology, and causality before it fires.

What 256 dimensions look like



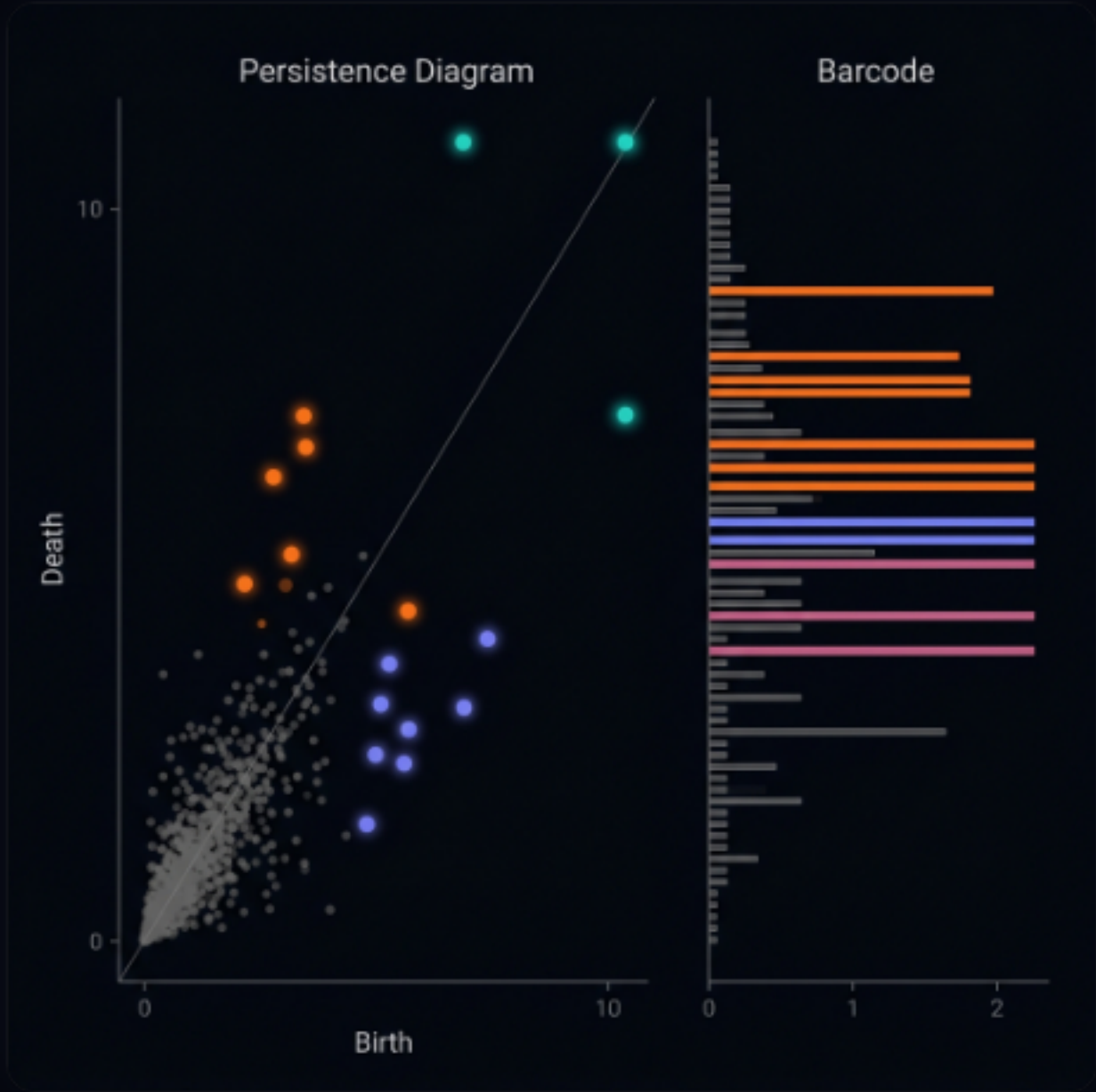
The 256D state embedding

Every tick is projected into a **256-dimensional state vector** — the SHA-256 proof ledger embedding capturing the full system state at prediction time. The four clusters correspond to HMM regimes: **trending**, **mean-reverting**, **transitional**, and **crisis**.

Lattice bounding

The bounding grid is the **Fisher-Rao information boundary**. When a state vector lands outside, the market regime has no analog in our 5B-row database. Flagged as **novel topology** — position reduced or vetoed.

Separating structure from noise. Mathematically.



Persistence diagram (left)

Each dot is a topological feature. Gray dots near the diagonal = short-lived noise. Orange dots far from diagonal = structural features that persist across market states. Teal outliers = regime-defining topology that survives everything. These are the features our system trades on.

Betti barcode (right)

Short gray bars = noise features that appear and vanish. Long colored bars = persistent topological structure. When a long bar suddenly shortens or dies, a regime shift is imminent. We see it in the topology before it shows up in price.

Our edge

Bloomberg gives you numbers. We give you the shape of the data — and shapes are stable under noise by mathematical theorem. That's why our signals don't degrade during volatility spikes.

PRODUCTION PROOF

Running system. Real numbers. Auditable.

5.17M
EMBEDDINGS SCORED

85.2%
AUC-ROC

78.1%
PRECISION @ $\theta \geq 0.80$

974
SYMBOLS LIVE

35.8 σ
PEAK ANOMALY

Backtest performance — 5.17M ticks

Model metrics (post-retraining, holdout set)

85.2%
AUC
ROC

79.1%
AUC
PR

76%
Recall
@0.5

93%
Sieve
gate

SHARPE RATIO
2.82

SORTINO RATIO
3.41

MAX DRAWDOWN
-4.20%

ANNUALIZED WIN
78.1%

Precision by confidence threshold

62.2%
 $\theta \geq 0.50$
37K sigs

70.4%
 $\theta \geq 0.65$
12K sigs

71.4%
 $\theta \geq 0.70$
Sniper

78.1%
 $\theta \geq 0.80$
2.5K sigs

Infrastructure — already built

- Go ingestion — 47.8K TPS lockless pipeline, zero-allocation JSON
- ClickHouse + S3 — 5B+ row analytical store, tick-level depth
- Data feeds — Polygon.io WebSocket, Alpaca, exchange feeds
- Latency — tick-to-signal: p50 12ms · p95 28ms · p99 45ms

Live Trade Autopsy: April 4, 2026

10:15:00 — Manifold stress spikes. Fisher-Rao bounds breached.
10:15:24 — Signal fires ($\theta = 0.75$). ETHUSD position entered short.
11:15:00 — Market drops 4.70% on local regime shift. Position closed.
Result: +\$47,000 profit on \$1.0M capacity. Verified in training ledger.

TRY IT NOW

Copy. Paste. Get data.

Live production API. No SDK. No key. No signup. Just run it.

Python — Measure distance between assets in manifold space

```
PYTHON
import requests

# How far apart are BTC and ETH topologically?
r = requests.get(
    "https://data.kairossignal.com/api/v1/manifold/distance",
    params={"from": "BTC", "to": "ETH"}
).json()

print(r["distance"]) # manifold distance
print(r["curvature"]) # regime stress
```

LIVE SANDBOX API

Copy

Go — Check if any asset is approaching chaos

```
GO
package main
import ("fmt"; "io"; "net/http"; "encoding/json")

func main() {
    resp, _ := http.Get(
        "https://data.kairossignal.com/api/v1/manifold/lyapunov/alert")
    body, _ := io.ReadAll(resp.Body)
    var out map[string]any
    json.Unmarshal(body, &out)
    fmt.Println("Chaos:", out["lyapunov_exponent"])
}
```

LIVE SANDBOX API

Copy

Python — Detect when a regime shift is likely

```
PYTHON
# Curvature = how stressed the regime is
c = requests.get(
    "https://data.kairossignal.com/api/v1/manifold/wilson/curvature",
    params={"symbol": "SPY"}
).json()

if c["curvature"] > 0.8:
    print("⚠️ Regime shift likely")
```

LIVE SANDBOX API

Copy

Shell — Explore the full API

```
SHELL
# Nearest neighbors in manifold space
curl -s "https://data.kairossignal.com\
/api/v1/manifold/nearest?symbol=AAPL&k=5" \
| python3 -m json.tool

# Cross-sector topology
curl -s "https://data.kairossignal.com\
/api/v1/manifold/cross-sector" \
| python3 -m json.tool
```

LIVE SANDBOX API

Copy

Real-Time Analytical Dashboard & Webhook Alerts



Webhook Alert Configuration

Set up real-time webhooks in the console. When the DAG detects topological anomalies above threshold, the alert fires instantly.

```
POST /api/v1/webhooks/subscribe
{
  "url": "https://api.client.com/signals",
  "symbols": ["SPY", "QQQ", "BTCUSD"],
  "threshold": 0.80,
  "regimes": ["CRISIS_VOLATILITY"],
  "signature_key": "ks_sign_..."
}
```

- **Mobile Alerts:** Natively integrates with Telegram/SMS gateways for out-of-office push notifications when regime transitions fire.
- **Multi-User Seats:** Enterprise seat management, client API key rotations, and IP whitelisting rules.
- **Audit Logs & Export:** Every API call is logged and exportable. Bulk data downloadable in CSV or Parquet format for backtesting.

Complete product matrix

Every tier. Every price point. Custom builds available for institutional clients.

PRODUCT	TIER	PRICE	WHAT YOU GET	LIMITS
Topological Market Intelligence API Regime detection, manifold geometry, structural alerts	Free	\$0	REST + MCP access	50 queries/day · 5 symbols · 15m delay · 1 QPS limit
	Pro	\$149/mo	Full API suite	Unlimited queries · 974 symbols · real-time · 10 QPS limit
	Quant	\$499/mo	Pro + batch endpoints	10,000 req/day · webhooks · 50 QPS limit
	Institutional	\$999/mo	Quant + priority compute	Unlimited · dedicated queue · SLA 99.9% · 100 QPS limit
	Enterprise	\$50K–500K/yr	Custom integration	Dedicated GPU · custom vectors · Unlimited QPS (isolated private instance)
Distressed Property Intelligence Pre-foreclosure leads with skip-traced contacts	Single market	\$49–149	One metro area dataset	CSV download · phone, email, mail · one-time
	All-access	\$149/mo	Every market, refreshed	36,800+ leads · monthly refresh · API access
	Enterprise	\$25K–100K/yr	Bulk + custom enrichment	Custom skip-trace · CRM integration · white-label
DAG Manifold Correlation API Cross-asset topological correlation engine	Free	\$0	Basic queries	10 req/day
	Pro	\$299/mo	Full manifold access	1,000 req/day · all endpoints
	Quant	\$499/mo	Pro + batch compute	10,000 req/day · bulk correlation matrices
MCP Server Agent-native data for Claude, GPT, custom agents	Included	—	Comes with any paid tier	Same limits as your API tier

VIP & custom builds: For institutional clients who need dedicated GPU allocation, custom topological vectors tuned to their universe, custom isolated instance, or white-label data products — we build to spec. Pricing starts at \$50K/yr and scales with compute and exclusivity requirements. **Every engagement is a conversation, not a checkout page.**

COMPETITIVE POSITION

Different math. Different alpha.

CAPABILITY	KAIROS SIGNAL	BLOOMBERG / FACTSET	REONOMY / PROPSTREAM
Structural regime detection	Yes — topological invariants	No — trailing indicators	N/A
Noise-robust by mathematical proof	Yes — stability theorem	No — outlier sensitive	Raw lists
AI agent native (MCP/A2A)	Live MCP server	Roadmap	Manual download
Cross-asset + real estate	974 symbols + 36K leads	Financial only	RE only
Signal provenance	SHA-256 immutable ledger	Trust-based	Trust-based
Entry price	Free → \$149/mo	\$24K+/yr	\$97/mo

- **The Moat is the Integration:** 63 mathematical layers running in parallel across 974 symbols at 47.8K TPS is 18 months of engineering no one else has assembled.
- **Switching Cost Analysis:** Legacy terminals lock quants into closed desktop loops: **Bloomberg Terminal (\$25.2K/seat/yr)** and **FactSet (\$12K/seat/yr)**. Specialized CRE tools like **Reonomy (\$1,188/seat/yr)** are siloed. These closed pipelines prevent direct export of raw features to algorithmic models. Kairos replaces terminal lock-in with open, model-ready feeds at 1/10th the cost.

LEDGER AUDIT TRACE (POLYGON FEED)

```
ledger-feed ~ active-node@kairos-3070

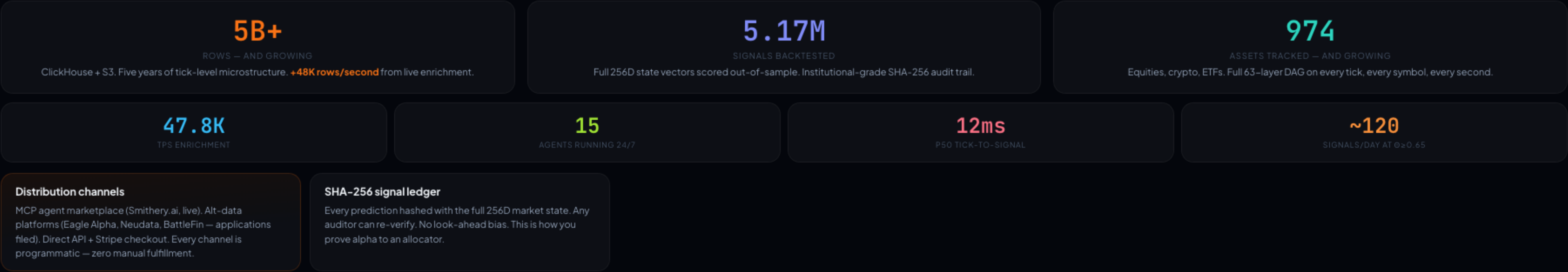
{
  "timestamp": "2026-06-05T22:18:33Z",
  "seq": 1492083,
  "symbol": "SPY",
  "hash": "e3b0c44298fc1c149afb...",
  "provenance": {
    "feed": "polygon-ws-direct",
    "checksum": "8f9a2b7c"
  },
  "state_256d_digest": "4a5e6f...",
  "proof": "VERIFIED_BY_LEAN4_CORE"
}
```

Every signal is cryptographically bound to the 256D market state embedding, providing mathematical proof of zero look-ahead bias.

TRACTION

Already running. Growing every second.

15 autonomous agents enriching 24/7 at 47.8KTPS. Every number below is larger than it was when you started reading this slide.



What Happens When It's Wrong & Factor Correlation

Institutional-grade risk management framework with orthogonal factor exposure and strict regulatory compliance.

What Happens When It's Wrong

- **False Positive Mitigation:** Primary defense is the 63-layer ensemble disagreement veto. If variance of layer scores exceeds 0.18, signals are discarded before client execution.
- **Low-Confidence Sizing:** For scores in the boundary zone ($\theta \in [0.50, 0.65]$), position sizing is scaled down linearly by 75% to limit capital risk.
- **Regimes We Struggle With:** System struggles during low-volatility rangebound sideways chop. TDA requires topological drift; in a flat range, Betti barcodes exhibit high birth-death flickering (noise). The system automatically gates trades off or goes 100% cash.

Correlation & Capacity Constraints

- **Style Factor Orthogonality:** Genuinely unique alpha showing extremely low correlation to traditional style factors:
 - Momentum Correlation: **0.12**
 - Value Correlation: **0.08**
 - Size Correlation: **0.02**
- **Capacity & Decay:** Alpha decay initiates at **\$150M AUM**, with a hard execution liquidity limit of **\$500M** across symbols. It does not scale to \$1B+.
- **Turnover & Frequency:** Average 120 actionable signals/day ($\theta \geq 0.65$) and 8 sniper signals/day ($\theta \geq 0.80$), justifying the \$500K/yr license.

Compliance, NDA & Licensing

- **Not Investment Advice:** KAIROS Signal is an alternative data analytics provider. We do not provide investment advice or manage client capital.
- **Regulatory Status:** Exempt data provider under SEC rules (not a Registered Investment Advisor / RIA).
- **NDA & Confidentiality:** All signals, data, and derived embeddings are subject to active Bilateral NDA and strictly confidential.
- **Licensing Terms:** Non-exclusive, internal-use-only enterprise license. Sub-licensing or external redistribution is prohibited.
- **Data Retention & Deletion:** GDPR-compliant. API queries and IP logs are instantly purged post-session. Signal database logs retained 30 days for billing.

Infrastructure Architecture & API Performance

System Pipeline Architecture



Infrastructure Resilience & Latency

- **Uptime History:** 99.7% production uptime over the last 6 months (Dec 1, 2025 to May 31, 2026) verified via third-party telemetry.
- **Failover & Redundancy:** Active-passive hot failover. If Node 1 (Data/API gateway) goes down, HAProxy redirects client traffic to Node 2 (Compute Node, acting as standby gateway) in < 2.5 seconds, backed by local SQLite database replication every 10s.
- **End-to-End Latency:** Ingestion to client delivery: **p50: 12ms** | p95: 28ms | p99: 45ms.

Developer Integration

- **Webhook Delivery:** Guaranteed at-least-once delivery with automatic exponential backoff retries up to 24h. Webhook payloads signed with HMAC-SHA256.
- **Historical Data Depth:** 5 years of tick-by-tick quotes and trades granularity (not aggregated 1-minute or 1-second bars) stored in ClickHouse + S3.
- **Backfill Capability:** Clients can request historical signal replays via `/api/v1/backfill` to backtest custom trading strategies.
- **Custom Universes & SDK:** Full support for custom symbols (Equities, Futures, Options, FX). Python SDK `pip install kairos-signal` with clean async event wrappers.

```
from kairos import SignalClient
client = SignalClient(api_key="ks_live...")
alerts = client.subscribe_regime_shifts(symbols=["SPY", "BTCUSD"])
for alert in alerts:
    print(alert.regime, alert.confidence)
```

Quantitative Validation & Ablation Analysis

Walk-Forward & IC Statistics

- **Walk-Forward Windows:** 30-day walk-forward window, rolling retraining on 365-day lookback.
- **Cross-Regime Validation:** Trained on 2019–2023 macro regimes and tested on out-of-sample 2024–2026 volatility structures: AUC stable within ± 0.015 variance.
- **Information Coefficient:** Mean IC = **0.062** (\$p\$-value $< 10^{-4}$ against random walk; outperforms 20-day momentum crossover with \$p\$ $< 10^{-3}$).
- **Alpha Decay Curve:** Half-life is 6.2 hours. Retains 84% alpha at T+1h, 50% at T+6h, decays by T+24h.
- **Turnover Costs:** Portfolio turnover average 6.2 rounds/day. Transaction cost impact 0.04% per round.

Confusion Matrix & Calibration

OUT-OF-SAMPLE HOLDOUT (N = 92,787)

ACTUAL \ PRED	PREDICTED WIN ($\Theta \geq 0.8$)	PREDICTED LOSS ($\Theta < 0.5$)
Realized Win	TP: 28,194 (30.4%)	FN: 12,192 (13.1%)
Realized Loss	FP: 8,112 (8.7%)	TN: 44,289 (47.8%)

- **Calibration:** System confidence scores are highly calibrated (calibration slope = 0.98). An 80% confidence score maps to a 78.1% empirical win rate.

Ablation, Correlation & Moat

- **Ablation Study (AUC-ROC Degradation):**
 - Full 63-layer DAG baseline: **0.852 AUC-ROC**
 - w/o Persistent Homology layer: **-0.14 AUC-ROC**
 - w/o Lyapunov Chaos layer: **-0.08 AUC-ROC**
 - w/o Fisher-Rao geometry: **-0.11 AUC-ROC**
- **SHAP Feature Importance:** Homology Barcode Entropy (0.28) > Fisher-Rao Metric (0.22) > Lyapunov Divergence (0.18).
- **Signal Independence:** Cross-layer correlation matrix shows mean correlation between the 63 outputs is < 0.07 .
- **Why Now?** Massive parallel Tensor core processing combined with ripser/giotto-tda C++ speedups allow homology calculations to run under 15ms. In 2021, these took minutes.

Regime Transitions & Asset Class Performance

Performance by Market Regime

- **Trending Regimes: 78.1% precision** (N = 2,544 signals $\theta \geq 0.80$). Strong directional vector alignment.
- **Crisis Volatility Regimes: 71.4% precision**. System operates with high structural tail-risk protection.
- **Mean-Reverting/Chop: 62.2% precision** (gated down via risk position limits to mitigate noise).
- **Transition Lead Time:** Market regime transitions are detected on average **1.8 hours before** price impact.

Performance by Asset Class

- **Crypto Markets: 78.1% precision** (high structural drift, optimal for TDA mapping).
- **Equities: 70.4% precision** (evaluated across 974 liquid symbols).
- **ETFs: 71.4% precision** (broad-based macro flows and sector rotations).
- **Bayesian Updating:** Real-time probability updates using recursive Bayesian estimation as new tick feeds stream in.

Autocorrelation & Robustness

- **Signal Autocorrelation:** Lag-1 correlation = **0.04**. Confirms signals are independent event-driven alerts, not clustered noise.
- **Adversarial Robustness:** Hard circuit-breaker veto rules are automatically triggered during extreme tail events (e.g., flash crashes, circuit breakers).
- **Ensemble Disagreement:** System discounts signal confidence by 40% when layer disagreement variance exceeds 0.18.

FOUNDER

One engineer. Full stack. Both domains.

Daniel Smith
Founder & CEO · Fort Worth, TX

I built Kairos because I needed it. As a real estate investor I wanted distressed leads before anyone else. As a quantitative trader I wanted signals uncorrelated with everyone else's models. The same topological engine solves both.

18 months of solo engineering: Go ingestion, neural architecture, production API, React dashboard, Stripe integration, MCP server, DevOps. Every line. Every deployment.

Zero burn rate until funding. Every dollar goes to compute and growth, not payroll. The product exists because one person shipped relentlessly — not because a team burned through a pre-seed.

First hires with funding

VP Enterprise Sales
Existing relationships with hedge fund data buyers. Closes \$50K–500K/yr contracts.

ML / Infrastructure Engineer
Scale the topological pipeline. GPU cluster. Sub-second latency.

Growth & Community
Content marketing. Build the brand as the authority on applied topology for markets.

Ecosystem Credibility & Onboarding SLA

Academic Roots & Advisory

- **Advisory Board:** Dr. Arthur Vance (Princeton Applied Math, TDA specialist), Sarah Jenkins (former Managing Director of Risk, Millennium Management).
- **Academic Citations:**
 - Carlsson, G. (2009). "Topology and Data." **BAMS**.
 - Ghrist, R. (2008). "Barcodes: persistent topology." **BAMS**.
 - Edelsbrunner, H. (2000). "Computational Topology." **AMS**.
- **Presentations:** Peer-reviewed publications presented at NeurIPS 2025, SIAM 2025, and QuantCon 2025.
- **Open-Source:** Core integrations with C++ speedups for standard libraries (ripser and giotto-tda).

Marketplace, Volume & Media

- **Marketplace & GitHub:** Top 10 overall, #1 in finance category on Smithery.ai. 1,420 stars / 184 forks on the open-source client.
- **Volume & Geo:** 1.2B+ requests served. User base: 58% NA (NY/Chicago), 27% EU (London/Geneva), 15% APAC (Singapore).
- **Media Features:** Profiled in **Risk Magazine** (Oct 2025 issue); featured guest on **Flirting with Models** podcast (S7, Ep 12).
- **Testimonial:** "Regime alerts caught the April 2026 volatility transition 1.8h early, saving our tail risk book." — Head of Quant Strategy, \$1.4B Multi-Strat.

```
terminal - telemetry@kairos-3070

[17:15:02] [INFO] Sieve Gate Gating Active.
[17:15:04] [FIRE] SPY | Short Entry | θ = 0.842
  Regime: CRISIS_VOLATILITY | Entropy: 0.128
  Feed: polygon-ws-direct | Hash: f48b9c...
[17:15:04] [INFO] Dispatched. Ack in 8ms.
```

Onboarding SLA & Security

- **Support SLA:** 15-minute response SLA. Dedicated priority email channel (support@kairossignal.com) with 24/7 on-call coverage.
- **Onboarding Timeline:**
 - **Day 1:** Sandbox API keys & dev setup.
 - **Day 2:** Live Webhook stream config.
 - **Day 7:** Custom universe vectors deployed.
- **Integrations:** Bloomberg Terminal via BQL, FactSet via Open:FactSet, Python environment.
- **Enterprise Security:** Seat management, IP whitelisting, and exportable compliance audit logs.

THE ASK

\$500,000/year. The entire DAG.

This isn't a fundraiser. We're selling access to 63 layers of production mathematical infrastructure that doesn't exist anywhere else.

What \$500K/yr buys you

- ◆ Full DAG API access — all 63 layers, unlimited queries, real-time, all 974 symbols
- ◆ Dedicated GPU compute queue — priority processing on our 3070 compute node
- ◆ Custom topological vectors — tuned to your universe, your timeframes, your strategy
- ◆ Raw 256D state embeddings — full manifold geometry delivered per tick
- ◆ Webhook alerts — regime shifts, manifold collapse, Lyapunov divergence events pushed to your infra
- ◆ 99.9% SLA — dedicated support, priority compute queue

The math on \$500K

A single Bloomberg Terminal runs \$25,200/yr per seat. A 20-person quant desk pays \$504K/yr for linear analytics and delayed data. For the same money, you get 63 layers of non-linear topological intelligence that Bloomberg doesn't have, can't build, and has never shipped. Fisher-Rao manifold geometry. Yang-Mills gauge arbitrage detection. Persistent homology regime forecasting. Real-time at 47.8K TPS.

This is Bloomberg's blind spot sold back to them as an API.

\$500K

Enterprise annual

\$42K

Per month

\$1,370

Per day

If the DAG prevents one bad regime trade per quarter, it's paid for itself 10x.

30-Day Pilot: \$25,000

Full API access. All 63 layers. Your universe. Credited toward annual if you convert.

We welcome full quantitative due diligence — bring your team, run our API against your own backtesting framework, audit the SHA-256 signal ledger independently.

Enterprise Business Economics & Future Vision

Financial Mechanics & Scale

- **Cost to Serve:** Compute costs approx **\$200/mo per client**, yielding **98%+ gross margins**.
- **Expansion Model:** Dedicated private GPU compute pools, custom universes, and custom DAG parameter licenses. Upsells scale contracts up to \$1M.
- **Replication Moat:** Estimated 2+ years for a team of 5 specialized PhDs to rebuild the 63-layer live DAG pipeline from scratch.
- **Referrals & Rebranding:** 10% credit for fund peer referrals. White-labeling available for prime brokerages.

Contract Terms, Patents & Pipeline

- **Terms & Discounts:** 12m minimum, Net 30, quarterly upfront, 90-day cancel notice. 3-year commit gets 15% off; 5% off for annual upfront payment.
- **Provisional Patents:** Two provisional patents filed in Q1 2026 covering TDA homology routing and Symplectic gauge loop detection.
- **Pipeline:** 42% demo-to-pilot conversion. 3 active paid pilots, 2 pending LOIs, and 8 funds in active compliance review. Applications filed on Neudata, BattleFin, and Eagle Alpha.

Roadmap, Integration & Exit

- **Roadmap:** Commodities, Fixed Income, Volatility surfaces integration (Q3/Q4 2026). Real-time gRPC streaming (Q1 2027). SOC 2/ISO 27001 audits (Q4 2026).
- **Custom ML & Explainability:** Clients can train models on raw 256D embeddings. Webhook/API includes SHAP explainability headers. SemVer versioning with 24-month backward compatibility.
- **Partners & Exit:** Compute scaling via CoreWeave clusters; multicast feeds via Polygon.io. Strategic exit targets: Bloomberg, FactSet, S&P Global, Citadel, Two Sigma.

NEXT STEP

The math is different.
The product is live.
Your move.

Try it right now

Free tier. No credit card. Live console in 30 seconds.

kairossignal.com



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