CLAIM BOUNDARIES

Disciplined boundaries for UDEL recoil claims

BY

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Focused question set and disciplined claim boundaries for the next stage of work. This document separates what UDEL can currently claim from what it cannot — and keeps the portal strong by preventing overclaiming.

A Current Answers We Can Safely Use

Question	*Current Answer*	*What Would Strengthen UDEL*
Is dark matter 'the cause' of the attractor?	Not by itself. Mainstream cosmology attributes attractor-like flow to the total overdense mass distribution, with dark matter contributing most of the scaffolding.	Show a gravity signal that outruns standard mass mapping.
Is there only one Great Attractor?	No. Current flow mapping supports a multi-basin environment, not one unique attractor.	Show a recoil-linked pattern across several basins rather than relying on one classical region.
Can multiple basins fit UDEL recoil?	Yes, qualitatively. Distributed basin strengthening is compatible with how early recoil would likely appear.	Tie the basin behavior to a measurable redshift or anisotropy signature.
What is the safest UDEL wording?	Multiple attractors are compatible with recoil, not proof of it.	Promote only after a hard discriminant is derived.

B Claim Boundaries for Future Writing

[!] **Avoid:** "The Great Attractor proves recoil has begun."

[ok] **Prefer:** "The observed multi-basin flow landscape is qualitatively compatible with early recoil, because cross-layer mass re-entry should first amplify already-established structures in a distributed way."

[!] **Avoid:** "DESI kills LambdaCDM."

[ok] **Prefer:** "DESI increasingly pressures simple LambdaCDM and opens room for alternate late-time interpretations."

[!] **Avoid:** Precise remaining-time claims unless the derivation is shown and numerically stable.

C Hard-Math Target

The next real battlefield is quantitative: can UDEL derive a signature that standard cosmology does not naturally mimic? A viable target would connect layer merging to an observable change in effective gravitational pull, propagation behavior, or redshift evolution — in a way that remains distinguishable from ordinary structure growth and smooth evolving-dark-energy fits.

1. Define the effective mass contribution expected from neighboring t-layers during early recoil.
2. Translate that contribution into a measurable enhancement of basin pull or background behavior.
3. Show whether the enhancement should appear isotropically or with a preferred directional structure.
4. Map the expected redshift window of onset.
5. Compare against standard LambdaCDM + structure-growth expectations and identify the cleanest discriminator.

D Short Synthesis Paragraph

> *The strongest current UDEL position is not that recoil has already been proven, but that two apparently separate observational patterns — DESI's pressure on simple LambdaCDM and the distributed attractor-basin flow environment — can be re-read as parts of one deeper process. In that reading, DESI is the global crack and basin strengthening is the local symptom. The task now is to derive the mathematical signature that would make that reading uniquely predictive.*

E Practical Next Step

Use the synthesis document for public-facing or semi-public discussions. Use this research brief as the internal checklist before making stronger claims. If the math lands, promote the argument. If the math fails, keep the attractor idea as an interesting qualitative analogy rather than a pillar.