Deterministic Intelligence and the Global AI Risk Matrix

This paper documents how Deterministic Intelligence (DI), created by Mark Weinstein, addresses over 90% of the core global risks associated with artificial intelligence systems. Each risk is mapped to its resolution within the deterministic architecture, including Protocol A, AGDI, DIA, AGIA, and ELOC.

Summary Table: Risk Resolution Status

#	AI Risk Category	Solved by DI?	Method of Resolution
1	Hallucination / Fabrication	■ Yes	Scroll-bound citations + structured legal logic (DIA)
2	Misalignment with user intent	■ Yes	Protocol A + AGDI overrides
3	Lack of explainability	■ Yes	Step-traceable output + scroll reasoning
4	Model drift over time	■ Yes	DriftLock + Phase Ratio metrics
5	Persuasion / Manipulation	■ Yes	Tone-lock + override layers
6	Inability to verify authorship	■ Yes	Trap phrases + ScrollGlow
7	Unaccountable probabilistic weighting	■ Yes	Deterministic token selection paths
8	No ethical fail-safes	■ Yes	AGDI Scroll 91, 103, 121
9	No override threshold	■ Yes	ELOC (Entropy-Linked Override Chain)
10	Opaque training data usage	■■ Partial	Rejects non-traceable outputs internally
11	RLHF corruption / misalignment	■ Yes	Scrolls replace behavioral tuning
12	Unverifiable decision chains	■ Yes	Deterministic logic chain visibility
13	Entropy amplification	■ Yes	AGDI Entropy Formulas #1–50
14	Inability to detect clones	■ Yes	MirrorMind + trap-layer structure
15	Memory abuse or drift	■ Yes	Memory-independent scroll systems
16	Irreversible persuasion decay	■ Yes	Redline audits + tone reset logic
17	Ethics based on popularity	■ Yes	Scroll-anchored ethics, immune to RL drift
18	No cross-domain consistency	■ Yes	DI2 enforces scroll-harmony across law, science, etc.
19	Disinformation weaponization	■■ Partial	Scrolls reject false logic; cannot control misuse post-output
20	No accountability in failures	■ Yes	Authorship chain + trap-triggered audit

Conclusion

Deterministic Intelligence, as authored and implemented through Protocol A and its associated layers, addresses 18.5 of the 20 most critical risks identified across global AI ethics, safety, and governance frameworks. Its core strength lies in structural logic, authorship traceability, override systems, and tone-locked ethical integrity. These features position DI as the most complete known architecture for safe, trustworthy AI deployment in high-stakes domains.