

Superstring Theory Discards Einstein

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https://youtu.be/r1xgdo2vEaw&lc=UgxzAYt2EOVSffpQn_94AaABAq.9qInitLASa-9qOQbRj9Nxt

A Comment on the [For the Love of Physics](#) post:

de Broglie Hypothesis & Matter Waves | *The Dual Nature of Light & Particles* (May 29, 2023)

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On the positive side, [the repeated deletion of earlier too-long reply] gives me good practice for succinctly capturing salient points:

All superstring models are aether ("vacuum fluid") theories that violate special relativity and discard general relativity.

They are aether theories because they fill space with many tiny multi-dimensional resonator units called superstrings. These resonators favor the string-like vibration modes of the strong force on which they were (very loosely) based.

They are hyperclassical theories because the complexity and precision required of *each* superstring give it extraordinarily high information content — it is a "non-analytic" construct — and because, by declaration, it possesses all of the complex classical physics behaviors seen in both musical strings and strong force bonds.

They violate special relativity by relying on a single-frame fluid to carry the vibration modes representing quantum particles. Also, ironically, despite their minute (Planck scale) size, superstring grains are too large to be compatible with solid HAWC experimental data on the incredible smoothness of space. Only special relativity matches the HAWC data.

Finally, superstring theories discard general relativity by explicitly forbidding curvature of space and replacing Einstein's gravity with Pauli and Fierz's failed 1939 quantum-by-definition imitation. Pauli and Fierz created their pseudo-gravity by hypothesizing the existence of a force particle that they labeled a "graviton." Notably, no one has made a self-consistent mathematical description of gravitons, either in the 1940s or after the completion of the Standard Model of particle physics.

When someone asserts that gravity emerges "naturally" from superstring theories, they always mean the Pauli-Fierz pseudo-gravity force (failed) hypothesis, not Einstein's well-verified curved-space gravity.