

Theoretical Physics Model Comparison

FRAMEWORK MODEL	PRIMARY SCALE	CORE INTERACTION	MATHEMATICAL BASIS	STATUS
Standard Model	Subatomic	Electroweak & Strong	Quantum Field Theory	VERIFIED
General Relativity	Cosmic	Gravitation	Riemannian Geometry	VERIFIED
M-Theory (String)	Planck Scale	Unified Forces	11-Dimensional Topology	THEORETICAL
Loop Quantum Gravity	Space-time Fabric	Quantized Gravity	Spin Networks	THEORETICAL
Conformal Cyclic Cosmology	Infinite Timeline	Entropy/Mass Decay	Weyl Curvature	HYPOTHESIS