

CASSIOPEIA'S ToE

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Model Fundamentals

Every model must define the fundamental elements for the model. These are the objects that are not derived from other things. They form the basic elements of the model. The fundamental objects in this model are

Space quanta - a small volume of emptiness that has length, width, and depth

Wormholes - connections between space quanta

Energy - the thing that can occupy space quanta and create and modify wormholes. We assume this energy has modes of vibration or harmonics that we ultimately want to correlate with different wormhole properties and configurations (Fields)

That's pretty much all there is. All known forces and particles are derived from these elements.

It will be true that we will have physical constants that must be measured or calculated and not derived (like the Standard Model). These probably include...

alpha (the fine structure constant) and other coupling constants
masses of the particles in the Standard Model
constants that describe quark and neutrino behavior
cosmological constant
etc