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Two halves
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Intro
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There aren't separate wave functions for each particle. There is only one wave function: the wave function of the universe.
Schrödinger's Cat, Everett version: no collapse, only one wave function
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nism of the Higgs Field Simplified by Arvin Ash 1,065,895 views 1 year ago 13 minutes, 3 seconds - CHAPTERS: 0:00 Sources of mass 2:33 Blinkist Free Trial 3:51 Particles are excitations in Fields 6:09 How Mass comes from ...
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How Mass comes from interaction with Higgs
Why do some particles interact and others don't?
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The James Webb Era Begins
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HIGGS DISCOVERY
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Spica
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Comparison to the Sun
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Cold Stars
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Fusion
Supernova
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Whirlpool Galaxy
Dramatic Supernova
Standard Supernova
Luminous Blue Variables
De Carina
Neutron Stars
Neutron degeneracy pressure
Neutron star matter
Pulsars
Black Holes

Star Death
Vallar
Swift
Time Domain Astronomy
Gravitational Waves
TimeDomain Astronomy
Parkes Observatory
Perry Tongs
Microwaves
Radio Bursts
Red Supergiant Neutron Stars
Supergiant Neutron Stars
Supernova Neutron Stars
Red Supergiant
Beta Decay
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Quantum Field Theory - Quantum Field Theory by Fermilab 359,032 views 8 years ago 5 minutes, 30 seconds - The subatomic world has long been known to be truly mind-bending, with particles that are waves and vice versa. Cats are alive ...
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Brian Greene Introduction
Welcome Stephen Wolfram
How powerful are Wolfram's tools?
What is it like to be the weather?
Computationally bounded observers like us
Are all possible mathematical outcome out there somewhere?
Where is the Wolfram software at today?
Heisenberg, Bohr, and Einstein thought space was discreet
When we look back at Einstein's field equations it become obvious
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Conversion equations
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Summary
What's next?
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Intro & Fields
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Particles, charges, forces
Recap
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Causal Invariance
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Theory of Gravity
Continuum Equations
Causal Graph
Faster than Light Travel
The Feynman Path Integral
Quantum Observation Frames
Bronchial Graph
Map of Quantum Entanglements
Computational Irreducibility
Approaches to Mathematical Physics
The Map of Particle Physics | The Standard Model Explained - The Map of Particle Physics | The Standard Model Explained by Domain of Science 1,433,059 views 2 years ago 31 minutes - The standard model of particle **physics**, is our **fundamental**, description of the stuff in the universe. It doesn't answer why anything ...
Intro
What is particle physics?
The Fundamental Particles
Spin
Conservation Laws
Fermions and Bosons
Quarks
Color Charge
Leptons
Neutrinos
Symmetries in Physics
Conservation Laws With Forces
Summary So Far
Bosons
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Mysteries
The Future
Sponsor Message
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What have we found
The muon

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Introduction
Particle Detectors
ATLAS CMS
Collisions
ATLAS
CMS
Conclusion
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