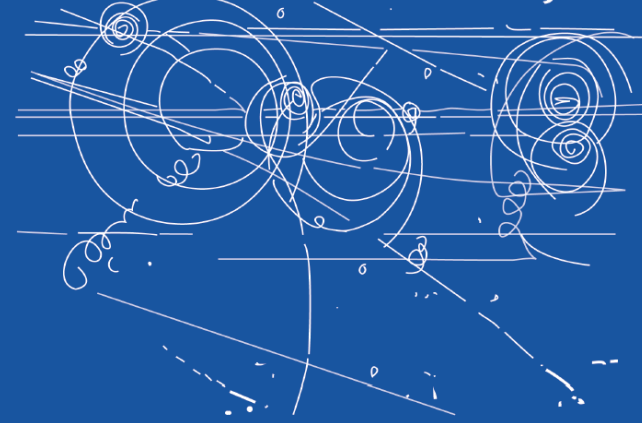


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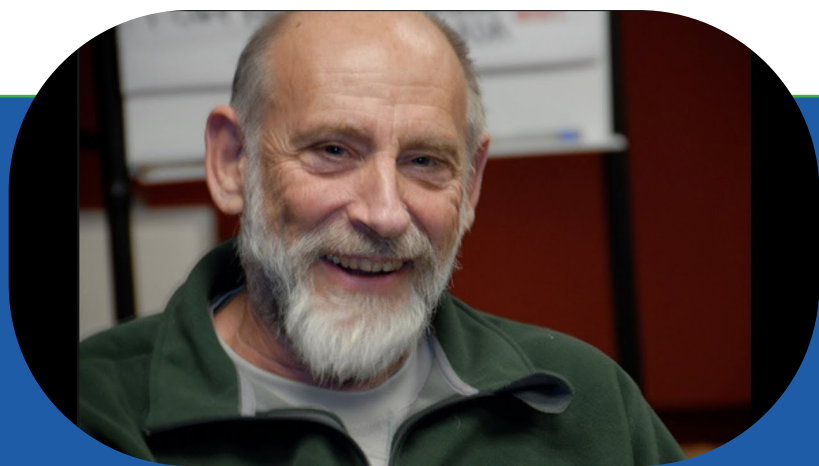
Mani L. Bhaumik Institute
for Theoretical Physics



Department of Physics & Astronomy

Leonard Susskind Public Lecture Bhaumik Lecture Series

*Monday, June 13, 2022,
Luskin Conference Center
reception at 5 PM and lecture at 6 PM*



Leonard Susskind
Felix Bloch Professor in Physics
Stanford University

The Quantum Origins of Gravity

Abstract:

It is said that general relativity and quantum mechanics are separate subjects that don't fit together comfortably. There is a tension, even a contradiction between them—or so one often hears. But recent developments indicate that exactly the opposite is true: Gravity and quantum mechanics seem to be two sides of the same coin. I will review a few of these parallels and explain how they are leading to a trend that I sometimes call “GR=QM”.