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# REPRESENTATION THEORY OF GEOMETRIC OBJECTS AND QUANTUM THEORY

A lecture by Professor Yi-Zhi Huang  
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## ABSTRACT:

Quantum mechanics and quantum field theory play a fundamental role in physics. Mathematically, they can be viewed as the representation theory of geometric objects, that is, the theory about how to study geometric objects using vector spaces and linear transformations. I will give an introduction to this mathematical approach to quantum theories.

FRIDAY, OCTOBER 28, 2022

HILL 525 AT 6:00 PM

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