iTHEMS Colloquium

The Unreasonable Effectiveness of Quantum Theory in Mathematics

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Photo by Gabi Porter, IAS

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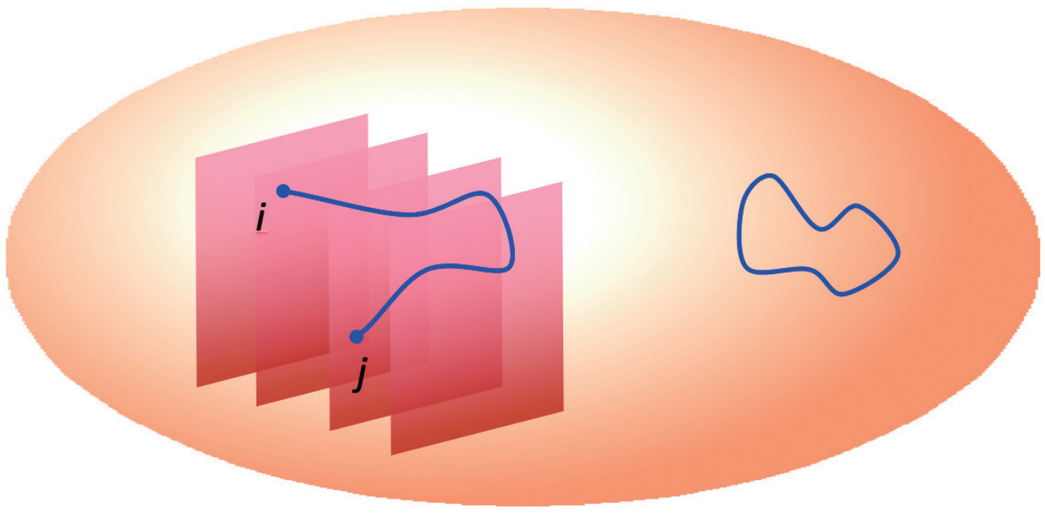
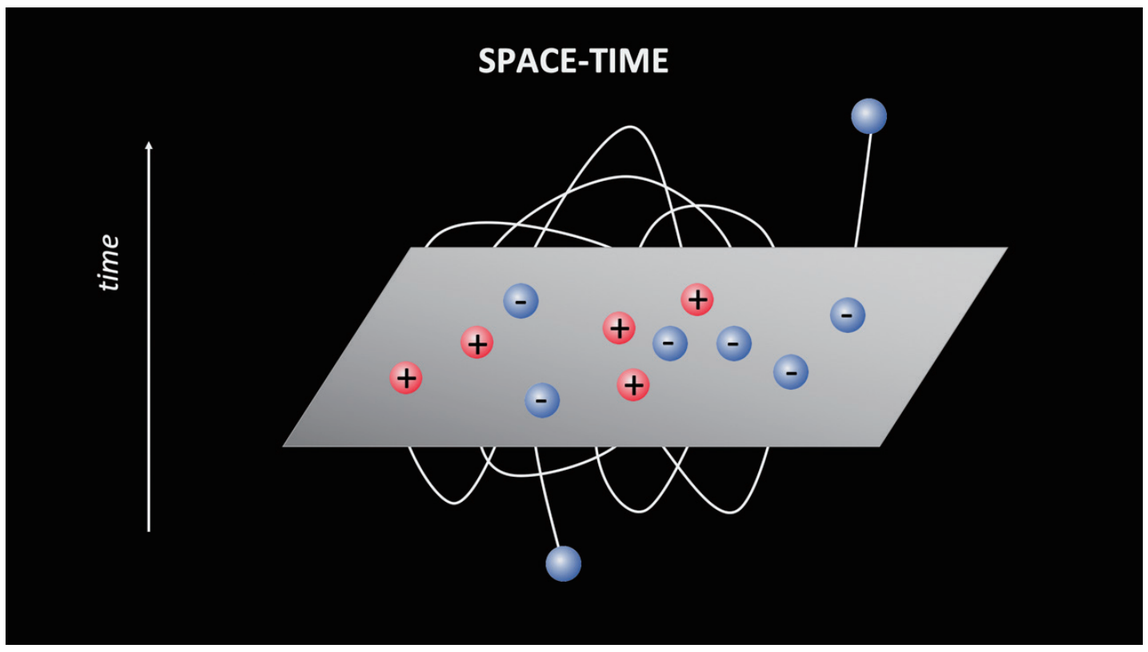
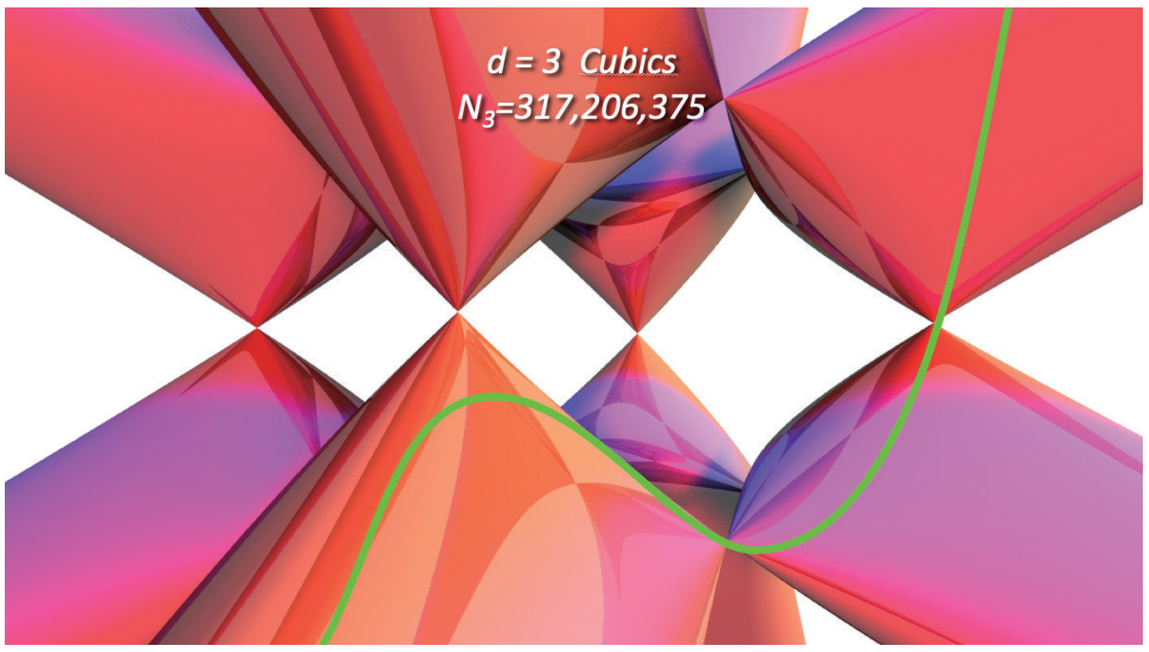
Through Zoom

The physical concepts of quantum theory, in particular of quantum gravity and string theory, have proven to be extremely powerful in addressing deep problems in pure mathematics, from knot invariants to algebraic geometry. Is there such a thing as "quantum mathematics"? Should we add Feynman diagrams, strings, branes and black holes to the language of mathematics?







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