



Online ISU Algebra Seminar

Date and Time: October 28, 2021, from 1:00 pm to 1:50 pm

Speaker: Lucian Ionescu, Ph.D.

Title: From Platonic solids to Gravity via Representation Theory

Abstract: The main goal of this talk is to present the basics of Representation Theory of finite groups and their McKay graphs (quivers), with the Platonic groups of symmetry as examples. I will use this opportunity to announce a breakthrough in the Theory of Gravity, as an application to Physics: it is not a fundamental interaction! ... and it can be controlled!!

Note: no prerequisites of Physics needed!

About Speaker: Dr. Ionescu graduated from Bucharest University, Romania with a bachelor's degree and master's degree in Mathematics and from Kansas State University with a master's degree and a Ph. D. in Mathematics. While he was a Ph. D. student, Dr. Ionescu received a Kansas State University award for outstanding graduate student in academics. In addition, he received Pre-tenure outstanding research award from the department of Mathematics at Illinois State University in 2004 and Illinois State University research initiative award in 2005. Currently, Dr. Ionescu is a full professor in Mathematics at Illinois State University. His current research interest is in applications of mathematics to quantum physics and quantum computing.

Zoom Meeting Information

Join Zoom Meeting

<https://illinoisstate.zoom.us/j/92061653023?pwd=Uno4Y1JONmdQS3VodTIra3R6ZV12UT09>

Meeting ID: 920 6165 3023

Passcode: isumath