



SigmaCamp Lecture Series and Q&A

From Inscribed Worlds to Non-Euclidean Geometry: History and Geometry of Kepler's Laws by *Roman Bezrukavnikov*

Kepler laws of planetary motion is a mathematically elegant statement that had a tremendous impact on development of modern science. The apparatus of calculus studied in an undergraduate math class allows to deduce them quickly from Newton's laws but that derivation does not match the statement of the laws in elegance and transparency. I will talk about the history of Kepler laws and a geometric way to derive them.

About the lecturer: *Roman Bezrukavnikov is a mathematics professor at the Massachusetts Institute of Technology and the chief research fellow at the HSE International Laboratory of Representation Theory and Mathematical Physics who specializes in representation theory and algebraic geometry.*



Q & A date and time: May 8th, 3pm

Link: sigmacamp.org/2020-q-and-a/bezrukavnikov

