

PHILADELPHIA UNDERGRADUATE MATHEMATICS
CONFERENCE PRESENTS



MATHEMATICS: PLAY, TRUTH, AND JUSTICE

Presented By: Alexander Diaz-Lopez,
Associate Professor of Mathematics at Villanova University

In a celebrated talk in 2017, Francis Su argued that mathematics is for human flourishing as it helps us cultivate certain virtues through human desires such as Play, Beauty, Truth, Justice, and Love. In this talk, we will embark in a journey to explore aspects of mathematics that prompted me to feel or think about Play, Truth, and Justice. Among the topics to discuss are games, social media, AI, and politics.



Alexander Diaz - Lopez

Associate Professor of Mathematics at
Villanova University



Alexander Diaz-Lopez is associate professor of mathematics at Villanova University. His research area is algebraic combinatorics and is currently supported by the NSF grant DMS-2211379. Alexander has been the recipient of the 2021 MAA Alder Teaching Award and is a Project NExTer. Currently, Alexander is the director of the summer research program VPR³ (Villanova-Puerto Rico Research Retreat), co-director of MSRI-UP, and Member-at-Large of the MAA EPaDel Section.