

Department of Mathematics, BGU

Colloquium

On Tuesday, January 3, 2023

At 14:30 – 15:30

In Math 101-

Tsviqa Lakrec (University of Zurich)

will talk about

THE AMPLITUHEDRON BCFW TRIANGULATION

Abstract: The (tree) amplituhedron was introduced in 2013 by Arkani-Hamed and Trnka in their study of $N=4$ SYM scattering amplitudes. A central conjecture in the field was to prove that the $m=4$ amplituhedron is triangulated by the images of certain positroid cells, called the BCFW cells. In this talk I will describe a resolution of this conjecture. The talk is based on joint work with Chaim Even-Zohar and Ran Tessler.