BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

QUIVER REPRESENTATIONS AND THETA FUNCTIONS

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September 13, 2017, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: Scattering diagrams theta functions and broken lines were developed in order to describe toric degenerations of Calabi-Yau varieties and construct mirror pairs. Later, Gross-Hacking-Keel-Kontsevich unravel the relation of those objects with cluster algebras. In the talk, we will discuss how we can combine the representation theory with these objects. We will also see how the broken lines on scattering diagram give a stratification of quiver Grassmannians using this setting.

See http://math.bu.edu/research/geom/seminar.html or contact Yoosik Kim *yoosik@bu.edu* for more information.