

Stanford Algebraic Geometry — Seminar —

COSMIC STRING AND FAMILY SEIBERG-WITTEN THEORY ON K3 FIBRATIONS

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Abstract

Family Seiberg-Witten theory has been developed as a tool to study the enumeration of immersed nodal curves on algebraic surfaces. This is closely related to the concept of PBS states in string theory.

In this talk we will discuss the theory of enumerations of immersed nodal curves on Calabi-Yau K3 fibrations and its closed relationship with the Gopakumar-Vafa problem.

Friday, November 12
3:30 p.m.
Room 383-N

<http://math.stanford.edu/~vakil/s0405/>