Séminaire commun

Modular Calabi-Yau Threefolds in String Compactifications

Mohamed Elmi

Rutgers

Mardi 28 Juin 2022 à 14:00

LPENS – Conf IV (24 rue Lhomond)

Résumé

I will consider attractor points of rank two on one-parameter families of Calabi-Yau manifolds (equivalently, flux-vacua with vanishing superpotential). I will explain how one may find such examples by arithmetic means and by exploiting symmetries of the family of Calabi-Yau manifolds. Finally, I will conclude with some speculation on the physical significance of these results.

https ://us06web.zoom.us/j/86271145836 ?pwd=MjhXUWRJRkpZdkRkL08xcTVDVjFHUT09