

Squashed toric sigma models and mock modular forms

Monday, 17 July 2017 10:00 (1 hour)

In the late 80s and early 90s a three-way link was established between $N=(2,2)$ SCFTs, compact Calabi Yau (CY) manifolds, and modular/Jacobi forms. These links can be understood through the corresponding Gauged Linear Sigma Models and calculations of their elliptic genera. I will discuss how there are interesting modifications to these links when the spectrum involves a continuum. The corresponding players in the new relations are non-compact $N=(2,2)$ SCFTs, squashed toric manifolds, and mock modular/mock Jacobi forms.

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