

# **A review on non-perturbative topological string theory and its applications**

*Monday, 3 June 2019 09:30 (1 hour)*

In this talk I will review a non-perturbative definition of topological string theory and discuss some of its applications.

I will explain how this construction is related to blowup equations (see talk by Gu), the Hofstadter butterfly problem (see talk by Hatsuda) and the theory of Painlevé equations (see talks by Marshakov, Teschner and Del Monte)

**Presenter:** GRASSI, Alba (U)