

ICTS Seminar

- Title** : Extending Taubes' Gromov invariant to Calabi-Yau 3-folds
- Speaker** : Mohan Swaminathan (Princeton University, USA)
- Date** : Thursday, 14th July 2022
- Time** : 11:00 am (IST)
- Abstract** : I will describe the construction of an integer-valued symplectic invariant counting embedded pseudo-holomorphic curves in a Calabi-Yau 3-fold in certain cases. This may be seen as an analogue of the Gromov invariant defined by Taubes for symplectic 4-manifolds. The construction depends on a detailed bifurcation analysis of the moduli space of embedded curves along generic paths of almost complex structures. This is based on joint work with Shaoyun Bai.
- Venue** : Offline: Emmy Noether Seminar Room
Online: Please click on the below link to join the seminar
- <https://icts-res-in.zoom.us/j/87169215024?pwd=Y2FOQ0xKOHJGdXphUDhYTIVcHVWQT09>
Meeting ID: 871 6921 5024
Passcode: 141422