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ICTS Seminar

Title : On certain special vector bundles on projective varieties

Speaker : Poornapushkala Narayanan (TIFR Mumbai)

Date : Monday, February 3, 2020

Time : 10:00 am

Venue : ARC Meeting Room, ICTS

Abstract : The aim of the talk is to convey how vector bundles can be used to tackle geometric problems and why they are interesting objects of study. I will in particular focus on two different classes of vector bundles, namely the Lazarsfeld-Mukai bundles and the Ulrich bundles. The existence of Ulrich bundles on projective varieties and the stability of Lazarsfeld-Mukai bundles have important geometric consequences. I will attempt to highlight some of these during the talk.

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