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SYMPLECTIC 4-MANIFOLDS ON THE NOETHER LINE AND BETWEEN THE NOETHER AND HALF NOETHER LINES

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Abstract

In this talk, first we will review some main concepts and techniques in the smooth and symplectic 4-manifolds theory. Then we will discuss our constructions of exotic, simply connected and symplectic 4-manifolds on the Noether line and between the Noether and half Noether lines via pencils of complex curves of genus one and via symplectic surgeries. We will also present a completely geometric way of constructing certain configurations of Kodaira's singularities in the rational elliptic surfaces, without using any monodromy arguments.

Date : Wednesday, January 6, 2021

Time: 10 EST 18 TSİ

Details : <http://sntp.ca/ucgen/>