CHOOSING POINTS ON CUBIC PLANE CURVES

Fudan Topology Seminar

Speaker: Weiyan Chen

Tsinghua University

Time: Thur, Apr. 21st, 15:00-17:00

Tencent meeting ID: 861-8661-7196   **Passcode: 123555**

Abstract: It is a classical topic to study structures of certain special points on smooth complex cubic plane curves, for example, the 9 flex points and the 27 sextactic points. We consider the following topological question asked by Farb: Is it true that the known algebraic structures give all the possible ways to continuously choose n distinct points on every smooth cubic plane curve, for each given integer n? This work is joint with Ishan Banerjee.