



Algebraic Geometry

“Can a smooth sextic have more than 72 tritangents?”

BY

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Abstract: After a brief introduction to the history of the subject, I will motivate the conjecture that a smooth plane sextic curve cannot have more than 72 tritangents, i.e., lines intersecting the curve with even multiplicity at each point. (A stronger conjecture is that the number of tritangents is 72 or at most 68, with all values taken.) I will also put the problem into a larger context and discuss the known results and a few steps towards the proof of this conjecture.

Date: 20 April 2018, Friday

Time: 15:40 +

Place: Mathematics Seminar Room SA-141

Tea and cookie will be served before the talk. You are most cordially invited.