Mathematics, Statistics, and Computer Science   **@ UIC**

Algebraic Geometry Seminar

Some geometric questions related to fake projective planes and Cartwright-Steger surface

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Abstract: The smallest positive Euler number of a smooth surface of general type is 3, which is achieved by the 50 pairs of fake projective planes and one pair of surfaces with first Betti number 2, named as Cartwright-Steger surfaces. We would introduce a few topics related to these surfaces, explain some joint work with collaborators and answer some open problems in complex ball quotients and geometry of surfaces.

Wednesday, April 15 at 4:00 PM in SEO 427