

Columbia University Algebraic Geometry Seminar

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HYPERBOLIC GEOMETRY AND MODULI OF REAL CUBIC SURFACES

The moduli space of stable real cubic surfaces can be identified with the quotient of real hyperbolic 4-space by a nonarithmetic (i.e. weird) discrete group. This group has a natural and explicitly-known fundamental domain which makes visible various important parts of the moduli space. (Joint work with J. Carlson and D. Toledo)

Friday, February 15, 2002

2:30pm

Mathematics 417