

Mathematics Colloquium

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Barnard

Local to Global
Principles and
Elliptic Curves

Abstract: Ternary cubic equations and, more generally, diophantine equations that define genus one curves, are the first examples of the failure of local-to-global principles. We will talk about what this means and how to measure the extent of the failure, first abstractly and then with respect to the most current algorithms.

Wednesday, September 28

4:30-5:30 pm

204 Smith Hall

Please note special time