

Mathematics Colloquium

Catherine O'Neil

*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