Algebra Seminar

Brauer groups and rational points on algebraic varieties

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Abstract: This will be an expository talk. We shall first describe some of the
guiding problems of arithmetic geometry which concern the structure of rational
points on algebraic varieties, and try to give a general picture of their current status.
We shall then focus on the existence problem for rational varieties and its relation
with Brauer groups. As time permits, we shall mention recent progress in the case
of (not necessarily rational) elliptic surfaces, with applications to rational varieties.

Tuesday Apr 03, 4:00 pm
MSC Rm W303

Mathematics and Computer Science
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