

“Rapid, aetherial bolt, descending fire, the earth all-parent, trembles at thy ire.”  
— “Zeus Keraunos”, Orphic Hymn 18.

## The Trivial Notions Seminar Proudly Announces

### Descent and Cohomology

A talk by  
Aaron Silberstein

#### **Abstract**

Descent is the technique of constructing “global” objects from “local” objects and “gluing data” (think of constructing vector bundles by trivializations). We will give examples and a precise definition, along with lots of pictures. We may then link descent data with cohomology and give insight into the Brauer group of a field. At the risk of angering Zeus, at this point the audience will hopefully no longer tremble at what may descend...

Thursday, November 15<sup>th</sup>, 2007 at 1:00 pm  
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