



# GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

## K3 surfaces, III

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Friday, November 4, 2016, 4:00 p.m.  
Room 6635 South Hall

**Abstract:** In this third and final introductory lecture about K3 surfaces, I will explain how the global Torelli theorem allows one to translate many interesting problems about K3 surfaces into problems about embeddings of lattices, and I will illustrate this with geometric examples, such as the Kummer construction.

This seminar is part of the NSF/UCSB 'Research Training Group' in Topology and Geometry. Information about future meetings can be found at <http://www.math.ucsb.edu/~drm/GTPseminar/>