

Departmental Colloquium

Modular forms, physics, and topology

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Abstract: Modular forms appear in a wide variety of contexts in physics and mathematics. For example, they arise in two dimensional quantum field theories as certain expectation values. In algebraic topology, they emerge in the study of elliptic cohomology theories. A long-standing conjecture suggests that these two appearances of modular forms are intimately related. This talk will provide an introduction to these ideas.

We will have lunch at 1 pm please email schapos@uic.edu if you'd like to join.

Friday, October 18 at 3:00 PM in 636 SEO