

JOINT MATHCS AND PHYSICS  
COLLOQUIUM

*Solar Concentration at the Interface between Optics and  
Thermodynamics*

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**Abstract:** I show how the interface between optics and thermodynamics organizes and informs the design of solar concentrators. This extends from ultra-high concentrating systems of  $\sim 100,000$  suns to stationary systems of  $\sim 4$  X concentrations. Luminescent systems which rely on a Stokes shift to concentrate even diffuse sunlight are discussed

Tuesday, April 27, 2010, 3:00 pm  
MSC Center, Planetarium

MATHEMATICS AND COMPUTER SCIENCE  
EMORY UNIVERSITY