

Physics Department Seminar

Friday March 8th, 2013

11:00am in PhSc 105

“Numerical and Experimental Analysis of Two Dimensional Heat Flow”



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Abstract:

We created an apparatus for studying two-dimensional heat flow for an Advanced Laboratory setting. The apparatus uses a system of 100 temperature sensors evenly spaced throughout an aluminum plate, in order to study various temperature profiles. We used various numerical methods and the heat equation to compared experimental and theoretical results.

