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Center for Computational Mathematics Seminar

James Dilts

UCSD

Parameterizing Initial Data in General Relativity

Abstract:

Initial data in general relativity must satisfy certain underdetermined differential equations called the constraint equations. A natural problem is to find a parameterization of all possible initial data. A standard method for this is called the conformal method. In this talk, we'll discuss the successes and failures of this method, and future directions for research.

Tuesday, April 25, 2017
11:00 AM
AP&M 2402

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