

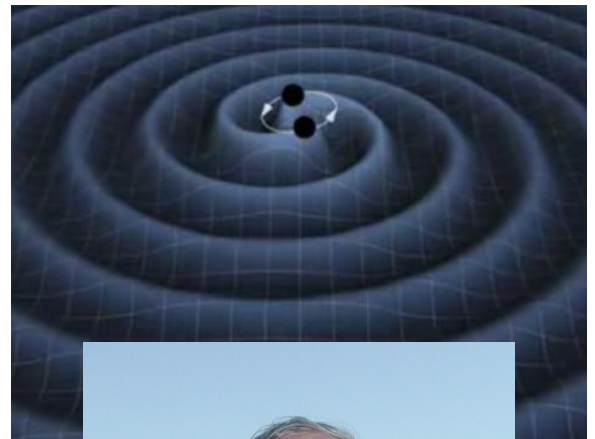
The Oliver Club

www.math.cornell.edu/~oliver/

Richard Schoen, Stanford University

Geometric Problems Arising in General Relativity

The Einstein equations are a purely geometric set of equations which describe the evolution of the gravitational field in general relativity. In this lecture, which is intended for a general mathematical audience, we will give an introduction to the Einstein equations and the initial value problem. We will then focus on geometric notions and questions which arise in the theory. Our discussion will include the constraint equations and their consequences as well as the theory of marginally outer trapped surfaces.



Thursday, September 26, 2013
at 4:00 PM in 532 Malott Hall

Refreshments will be served at 3:30 PM in the Mathematics Department lounge (532 Malott Hall).