

CURRICULUM VITAE MIHALIS DAFERMOS

Professional Preparation

Harvard University	Mathematics	B.A. <i>summa cum laude</i>	1997
Princeton University	Mathematics	Ph.D.	2001

Appointment

C. L. E. Moore Instructor, Department of Mathematics, Massachusetts Institute of Technology, 2001–present

Research Interests

Partial Differential Equations, General Relativity, Differential Geometry

Publications

Stability and Instability of the Cauchy horizon for the spherically symmetric Einstein-Maxwell-Scalar Field Equations, to appear in *Annals of Mathematics*

Exhaustions of complete manifolds of bounded curvature, Tsing Hua lectures on geometry and analysis, 319–322, Int. Press, Cambridge, MA, 1997.

Invited Talks

Analysis Seminar, ETH Zurich, January 21, 2002.

Differential Geometry Seminar, Harvard University, November 20, 2001.

Conference on Noncompact Variational Problems and General Relativity, *in honor of H. Brezis and F. E. Browder*, Rutgers University, October 18, 2001.

PDE Seminar, Brown University, October 12, 2001.

Differential Geometry Seminar, MIT, September 17, 2001.

Relativity Seminar, Oxford University, May 29, 2001.

Conference on Nonlinear Evolution Problems, Oberwolfach, May 21, 2001.

Calderon-Zygmund Seminar, University of Chicago, February 5, 2001.

Analysis Seminar, Courant Institute, January 30, 2001.

Doctoral Thesis Advisor

Demetrios Christodoulou, Eidgenössische Technische Hochschule Zürich