



UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

COLLOQUIUM

Dr. Juhi Jang

(Courant Instructor at the Courant Institute, NYU)

"Gas and Fluid Dynamics near Vacuum"

Abstract:

The study of vacuum is important in understanding the motion of a gaseous star or shallow water. The mathematical difficulty is the degeneracy caused by vacuum. In this talk, I will review some interesting problems of vacuum states arising in gas and fluid dynamics, and present the current status in the rigorous understanding of compressible Euler flows near vacuum

Friday, March 5th, 2010

Surge 284

4:10-5:00pm

Tea Time at 3:40pm