McMaster University   University of Toronto   University of Waterloo

THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

GEOMETRIC MECHANICS SEMINARS

SPEAKER:

MIROSLAV LOVRIC
Department of Mathematics and Statistics,
The Fields Institute and McMaster University

On the Topic:

"Ricci Flow on Manifolds and Applications"

The properties of a metric could sometimes be improved by "flowing the metric in the direction of its Ricci tensor." In this talk we discuss this method and give its applications not only in the context of Riemannian Geometry but also in other areas (so-called limiting case of the Porous Medium Equation, smoothing procedure in space-times, control theory).

Wednesday, May 12, 1993

3:30 pm, room 3018

at

The Fields Institute