Department of Mathematics, Statistics and Computer Science
St. Francis Xavier University
Presents

Hamiltonian Differential Equations

By
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Wednesday, July 9th, 2008 at 1:00 pm in Annex 23A

The goal of this talk is to discuss what it means for a partial differential equation (PDE) to be Hamiltonian, and why this is a beautiful and useful property for a differential equation to have.

To reach this goal, we'll start by discussing what it means for ordinary differential equations (ODEs) to be Hamiltonian, and then we'll informally discuss how one can make the leap from ODEs to PDEs that allows one to retain a lot of the ideas that have been developed for ODEs.

Refreshments will be served before the talk in AX24A