



McMaster University



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University of Waterloo

**THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES**

**GENERAL SEMINAR SERIES IN DYNAMICAL SYSTEMS**

**SPEAKER:**

**WAYNE NAGATA**  
University of British Columbia  
and The Fields Institute

On the Topic:

**"Simple Proofs of Bifurcation Theorems"**

We give short, elementary, constructive proofs of the basic theorems concerning the bifurcation of equilibrium and periodic solutions for differential equations. Neither the implicit function theorem nor the center manifold theorem is used.

**Thursday, January 28, 1993**

**1:30 pm, room 3018**

**at**

**The Fields Institute**

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