

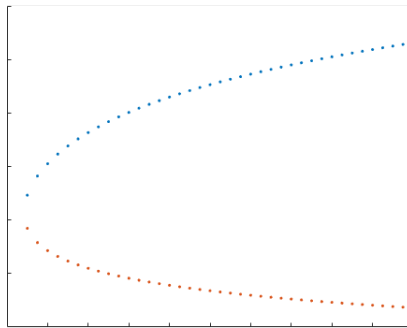
Student Research Talks (StReeTs)

Mason Experimental Geometry Lab (MEGL)

How Reliable are Our Computations?

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Abstract

Even for finite-dimensional discrete system, this question naturally arises if the system under study is sensitive to perturbation, as small differences in initial conditions (such as those due to rounding errors in numerical computations) yield diverging outcomes. These issues have motivated the development of the field of rigorous numerics in dynamics. We discuss an application of rigorous numerics for a population model for Mediterranean red coral.

Date: Friday, April 20, 2018

Time: 2:30pm–3:20pm

Place: Exploratory Hall 4106

Pizza and soda will be served at the presentation.

For further information or for special accommodations, please contact Sean Lawton via email at seanlawton@gmail.com or drop by the MEGL.