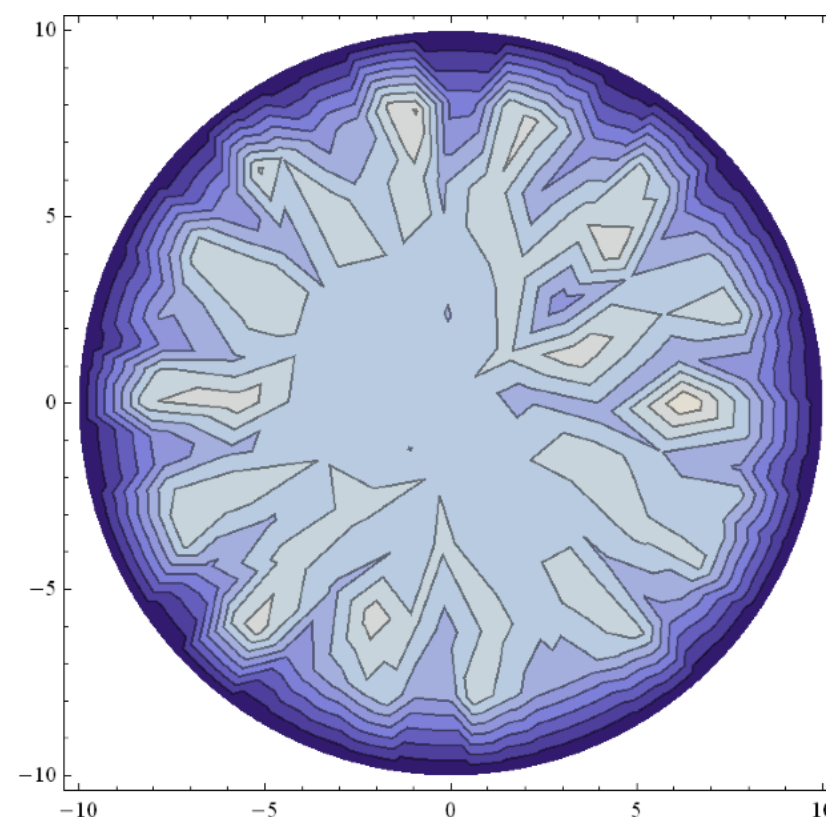


### OBJECTIVE

Mathematical modeling provides a means to quantize the observable world. Too often the equations that arise are intractable, and Numerical Analysis provides the means to approximate these quantities and the theory to validate correctness of the computed data. This one-day event, the eleventh of a symposium series at the Graduate Center of CUNY, aims to demonstrate aspects of the approximation/validation process.

### INVITED SPEAKERS

- Yves Bourgault, University of Ottawa, Canada
- David Dritschel, St. Andrews University, UK
- Tim Kelley, North Carolina State University
- Jie Shen, Purdue University



### TIME AND LOCATION

- Time: 9:30 am - 4:00 pm, April 25th, 2013.
- Location: Science Center, Room 4102, Graduate Center of CUNY
- The Graduate Center of CUNY is located at 5th Ave. and 34th St. on Manhattan

### TRAVEL

- Some funding available for graduate students in nearby institutions (Stony Brook, Rutgers, Princeton, etc). Please contact the organizers.

### SCHEDULE (ALL TALKS IN ROOM 4102)

- 9:30 am - 10 am: Coffee
- 10 am - 11 am: David Dritschel
- 11:15 am - 12:15 pm: Tim Kelley
- 12:15 pm - 1:15 pm: Lunch break
- 1:15 pm - 2:15 pm: Jie Shen
- 2:30 pm - 3:30 pm: Yves Bourgault
- 3:30 pm - 4:30 pm: Discussion

### ORGANIZERS

- Prof. John Loustau, CUNY-Hunter, [jloustau@hunter.cuny.edu](mailto:jloustau@hunter.cuny.edu)
- Prof. Marcello Lucia, CUNY-CSI, [mlucia@math.csi.cuny.edu](mailto:mlucia@math.csi.cuny.edu)

### SPONSORS

This event is sponsored by: Initiative for the Theoretical Sciences at the Graduate Center of CUNY



and Hunter College School of Arts and Sciences.