



Department of Mathematical Sciences welcomes

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Root finding and Newton's method for polynomials

ABSTRACT:

Newton's method is probably the oldest and most famous iterative process to be found in mathematics. In this talk, I will give a friendly introduction to this topic, from its history to recent progress, mainly from the viewpoint of dynamical systems.

ABOUT THE SPEAKER:

Dr. Wang received his Ph.D. at Universite d'Angers and Fudan University in 2011. His advisors are Professors Tan Lei and Weiyuan Qiu. He was a visiting Postdoctoral Fellow at Chinese Academy of Science (2011), ICERM of Brown University (2012) and at the University of Illinois at Chicago (2013).

Dr. Wang works in complex dynamical systems. His research interests currently focus on three projects: 1. Global topology of hyperbolic components of rational maps. 2. Arithmetic geometry of elliptic curves. 3. Iterations in the Teichmuller space.

December 13, 2019

Hosted by:
Prof. Roland Roeder

Tea begins at 3:00
in LD 259

Research Topic
begins at 3:30
in LD 229

