



Center for Soft Matter and Biological Physics

Discussion Meeting

Ruslan Mukhamadiarov and Shengfeng Deng

(Physics, Virginia Tech)

"Central Concepts of Nonlinear Dynamics and Chaos"

Friday, May 31, 2019

4:00pm - 5:00 pm

304 Robeson Hall

In a series of Center summer meetings, Shengfeng Deng and I will explore the central concepts of nonlinear dynamics and chaos. We will demonstrate how these abstract ideas can be applied in physics and biology. The list of topics that we plan to cover includes one- and two-dimensional flows, bifurcations, Lorenz equations, one-dimensional maps, and fractals. This talk series is intended mainly for graduate students and will be held in the form of informal discussion meetings.

