

# Undergraduate Colloquium

Wednesday January 29

4:15pm, Room: CBB 110

<http://www.math.uh.edu/colloquium/undergraduate/>

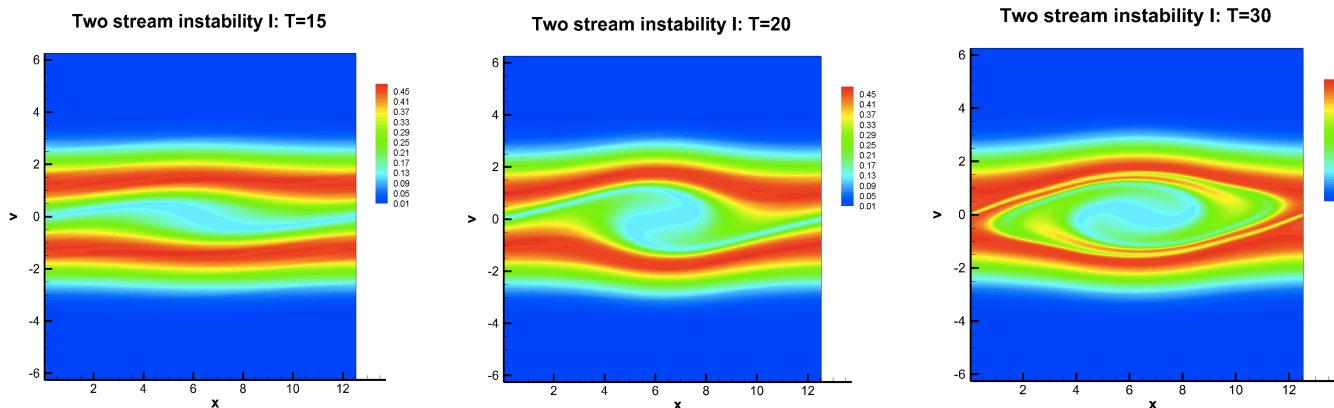


## *Computational Methods and Applications in Plasma Physics and Meteorology*

Professor Jingmei Qiu

Mathematics Department, University of Houston

I will introduce basic but fundamental concepts in the area of scientific computing, and discuss high order numerical methods for hyperbolic type equations. I will present simulation results arise from various applications, such as global transport problem and plasma physics.



*Evolution of an instability;  $T$ =time*