

Some computational problems in dynamical systems

Luca Dieci

`dieci@math.gatech.edu`

School of Mathematics, Georgia Tech, USA

The purpose of this talk is to give a (personal and limited) point of view of which problems in dynamical systems still require work from the numerical analysis community. Emphasis will be placed on constructive approximation issues, and in particular on linear algebra continuation and approximation of stability quantities, the Lyapunov exponents.