

NYC Dynamics Seminar at Yeshiva University

Rafael de la Llave (Georgia Tech)

will speak on

A posteriori KAM theory. Some applications to regularity.

Wednesday, March 9th, 5pm

Lectures will last 1 hour and be followed by 30 minutes for further lecture and/or discussion.

Yeshiva University, 215 Lexington Ave, Room 506

On the SW corner of Lexington Ave and 33rd Street. You will need to sign in.

Abstract:

We present some recent proofs of KAM theory on the 'a posteriori' format. They show that given an approximate solution of an invariance equation, one can find a true solution nearby.

This proofs lead to efficient algorithms, but they also lead to some theoretical results such as the monogenic or Whitney differentiability with respect to the frequency.

(joint work with R. Calleja and A. Celletti)

Seminar website: <http://nycdynamics.s3-website-us-east-1.amazonaws.com/>