

The Oliver Club

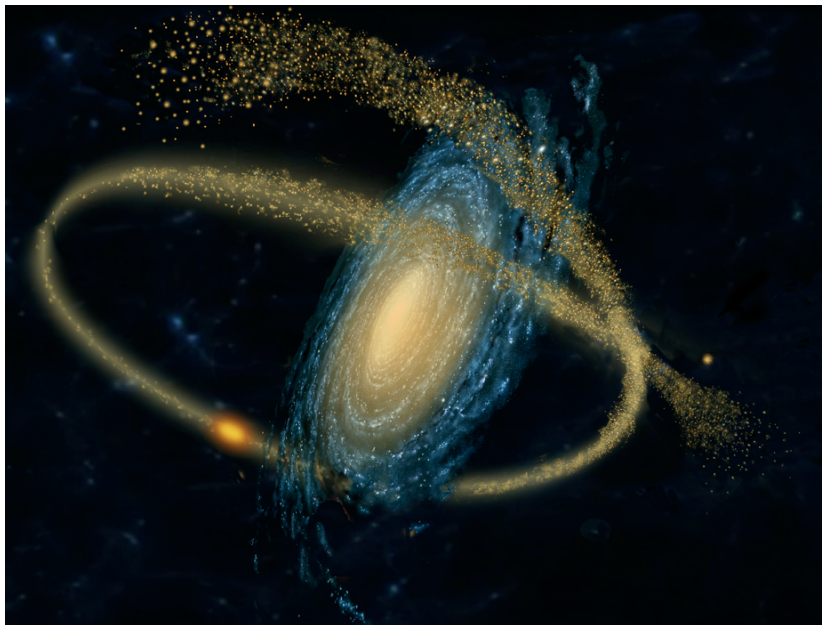
www.math.cornell.edu/~oliver/

Camil Muscalu, Cornell University

Iterated Fourier Series and the Physical World

We have all heard on various occasions that the universe is expanding. We have also seen many extraordinary pictures of galaxies, and most of them have the tendency to be planar. One might ask: Why is it so?

The goal of this talk is to describe an analogous mathematical problem, where similar questions can be answered in a reasonable way. The main objects of our analysis will be iterated Fourier series. As we will see, the almost everywhere convergence of them is deeply related to the understanding of such phenomena.



Thursday, December 5, 2013
at 4:00 PM in 532 Malott Hall

Refreshments will be served at 3:30 PM in the Mathematics Department lounge (532 Malott Hall).