Mathematics seminar

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C*-algebras from Axiom A spheres

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Abstract

Axiom A systems are a classical topic of interest in differentiable dynamics. These systems admit a "spectral" decomposition in irreducible pieces for which it is possible to define an associated C*-algebra. In the talk I'll explain how to assemble this data to define a C*-algebra that encodes the global dynamical behavior of the system. Two and three dimensional spheres will provide some examples.