

Homological representations of mapping class groups.

Asaf Hadari, University of Hawaii at Manoa

Mapping class groups are known to have many interesting finite dimensional representations. The largest and most well understood class of representations comes from a natural homological construction. Many basic questions about homological representations are open. This talk will present a recent solution of one such question - given an infinite order mapping class, there is a homological representation where its image has infinite order.