

SCMS Seminar



EQUIVARIANT HOMOTOPY, MACKEY FUNCTORS AND SLICE SPECTRAL SEQUENCES

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Lecture

Time: 13:30-14:30, Monday, April 15th, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract: The slice spectral sequence is a tool in algebraic geometry, firstly raised by Voevodsky. In 2009, Hill, Hopkins and Ravenel used homotopy version of the slice spectral sequence to solve the Kervaire invariant one problem. In this talk, I will introduce the construction of Mackey functors, their application in equivariant homotopy theory and their relation to slice spectral sequences. Furthermore, I will show some computation of slice spectral sequences and raise a few questions which are to be resolved. This talk is based on Yan Zou's PhD Thesis.