

Download Equivariant Stable Homotopy Theory

I'm a sophomore at MIT, majoring in math (course 18) and physics (course 8). I'm broadly interested in chromatic homotopy theory and arithmetic geometry, but my interests are constantly changing. In mathematics, K-theory is, roughly speaking, the study of a ring generated by vector bundles over a topological space or scheme. In algebraic topology, it is a cohomology theory known as topological K-theory. As the title of my review suggests, this IS where one should start learning about the subject. Other books which could then be tackled (in any order, really) are: Bredon's classic, tom Dieck (especially if you're wondering about the connections with representation theory and stable homotopy), Guillemin et al. on equivariant de Rham theory ...Last updated: Feb 8, 2018. projects in homotopy theory (completed ones are at the bottom) I've arranged the projects roughly in the order of my interest (except for the ones at the bottom of this big header (for homotopy theory projects), which I've already completed).