Abstract

In the 1980’s Hopkins, Kuhn, and Ravenel constructed generalized character maps that had source Morava E-theory of height $n$ and target a cohomology theory that they constructed out of Morava E-theory with rational coefficients. This is an instance of transchromatic phenomena. It is a map of cohomology theories from a height $n$ theory to a height 0 theory. In this talk we will present a generalization of their result that allows the target of the map to be any height between 0 and $n$. We will also discuss transfer maps for the resulting theories and give an application to the scheme that classifies subgroups of a formal group.