

1136-55-500

Paul VanKoughnett* (pvankoug@math.northwestern.edu). *Localizations of E-theory.*

Height n Morava E-theory is a representation in homotopy theory of the deformation space of a height n formal group. In the $K(t)$ -localizations of E-theory, for $t < n$, the height of this formal group is forced to decrease; we present a modular description of these localizations, using ideas from the theory of higher local fields. This leads to a theory of the behavior of power operations under chromatic localization. (Received January 22, 2018)