

1136-55-384

Daniel A. Ramras* (danramras@gmail.com), 420 N Blackford Rd, LD 270, Indianapolis, IN 46202. *Coassembly for representation spaces.*

The deformation K-theory of a space X is the K-theory spectrum of the category of finite-dimensional unitary representations of $\pi_1(X)$. This is a ring spectrum, and in fact an algebra over the connective K-theory spectrum ku . I will give a hands-on description of the universal coassembly map linking deformation K-theory and topological K-theory, along with some geometric applications. (Received January 20, 2018)