

1012-55-186

Michael Ching* (mching@math.jhu.edu), 3400 N. Charles St, JHU/Math Dept, Baltimore, MD 21218. *Calculus of functors and configuration spaces*. Preliminary report.

The Goodwillie derivatives of the identity functor on based spaces form an operad in the category of spectra. In this talk, I will show how an arbitrary based space X naturally gives rise to a right module over this operad. I'll show how such modules are related to configuration spaces of points in parallelizable manifolds and discuss how this might tie in with work of Markl on right modules over the Fulton-MacPherson operads. (Received September 19, 2005)