

1044-55-182

Paul Thomas Pearson* (pearson@math.rochester.edu), University of Rochester, Department of Mathematics, R.C. Box 270138, Rochester, NY 14627-0138. *Homology of topological modular forms.*

We describe the mod 2 homology of the spaces in the spectrum of topological modular forms (tmf). This homology has an unstable part coming from the homology of the spaces in the sphere spectrum, and a stable part coming from the homology of the spectrum tmf. (Received September 01, 2008)