

1046-55-1436

Paul Thomas Pearson* (paul.pearson@rochester.edu), University of Rochester, Department of Mathematics, RC Box 270138, Rochester, NY 14627. *The 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 15, 2008)