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**Paul Thomas Pearson\*** ([pearson@math.rochester.edu](mailto:pearson@math.rochester.edu)), Department of Mathematics, Hylan Building, University of Rochester, Rochester, NY 14627. *Homology of topological modular forms*. Preliminary report.

We describe the mod 2 homology of the spaces in the spectrum  $\mathrm{tmf}$ , its unstable part coming from the homology of the spaces in the sphere spectrum, and its stable part coming from the homology of the spectrum  $\mathrm{tmf}$ . (Received September 07, 2007)