1044-55-250 **Valentina Joukhovitski*** (`valya@umich.edu`), Department of Mathematics, 2074 East Hall, 530 Church Street, Ann Arbor, MI 48109. *Topological modular forms and Igusa tower.*

The construction of topological modular forms with p^n-level structures is very intimately related to the notion of the Igusa tower. We will explain this connection from geometrical and topological points of view. (Received September 03, 2008)