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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)