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Rodney Keaton*, keatonr@etsu.edu. *On the matrix partition function of Ozeki*. Preliminary report.

In a paper from 1984, Michio Ozeki defined a partition function for a certain class of matrices. In many ways, this function mirrors the more well known integer partition function. In this talk, we will introduce Ozeki's partition function and present several properties which are analogous to those satisfied by the integer partition function. (Received January 17, 2017)