1145-11-2233 **Melvyn B. Nathanson*** (`melvyn.nathanson@lehman.cuny.edu`), Department of Mathematics, Lehman College (CUNY), Bronx, NY 10468. *Matrix scaling and a problem in number theory.*

Recently, there has been renewed interest in alternate minimization algorithms to generate doubly stochastic matrices, and their generalization to operator scaling. This talk will describe a problem in diophantine approximation that these algorithms suggest. (Received September 25, 2018)