

1085-00-230

**Enrique Acosta\*** ([eacosta@math.arizona.edu](mailto:eacosta@math.arizona.edu)), Department of Mathematics, The University of Arizona, 617 N. Santa Rita Ave., Tucson, AZ 85721-0089. *Leading order asymptotics of a multi-matrix partition function for colored triangulations.*

I will present a partition function that counts colored triangulations that is given as a multi-matrix integral, and will then discuss results aimed at justifying a method that has been proposed by Physicists to study its first order asymptotics. (Received September 10, 2012)