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**Arunabha Biswas\*** ([arunabha.biswas@ttu.edu](mailto:arunabha.biswas@ttu.edu)), Department of Mathematics and Statistics, Texas Tech University, Broadway and Boston, Lubbock, TX 79409. *Asymptotic nature of higher Mahler Measure.*

We consider the  $k$ -higher Mahler measure  $m_k(P)$  of a Laurent polynomial  $P$  as the integral of  $\log^k |P|$  over the complex unit circle. In this talk we present some new asymptotic results regarding  $m_k(P)$  especially an explicit formula for the value of  $|m_k(P)|/k!$  as  $k \rightarrow \infty$ . (Received September 15, 2014)