1145-37-1685 **Mrinal K Roychowdhury***, University of Texas Rio Grande Valley, 1201 West University Drive, Edinburg, TX 78539. *Quantization for Probability Distributions.*

The basic goal of quantization for probability distribution is to reduce the number of values, which is typically uncountable, describing a probability distribution to some finite set and thus to make an approximation of a continuous probability distribution by a discrete distribution. Quantization dimension gives the speed how fast the specified measure of the error goes to zero as n approaches to infinity. It has broad application in signal processing, and data compression. I will talk about the quantization for some fractal probability measures. (Received September 23, 2018)