



PIMS / AMI Seminar

Friday, September 6, 2019

3:00 p.m.

CAB 657

**“The q -normal distribution and q -Hermite
polynomials”**

Professor Mourad Ismail
University of Central Florida, USA

Abstract

The Hermite polynomials are orthogonal with respect to the density function of the normal distribution. The lecture will survey their q -analogue, which was introduced in 1893, and many of their applications from partition identities, combinatorial enumeration to even a random matrix model.