The Hong Kong University of Science and Technology

Department of Mathematics

<u>Seminar on Pure Mathematics</u>

A New quantum Probability Distribution With Applications

By

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<u>Abstract</u>

In this talk, we introduce a new probability distribution, which is useful in the study of basic hypergeometric series. As applications of the distribution, we give probabilistic derivations of the q-binomial theorem, the q-Gauss' summation formula and a new multiple identity.

Date: Wednesday, 14 Nov. 2018

Time: 3:00p.m.-4:00p.m.

Venue: Room 3472, Academic Building
(Lifts 25 & 26), HKUST

All are welcome!