THE UNIVERSITY　　　　　　　**OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

Joint Orthogonalities of Heine-Stieltjes Polynomials

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Abstract

Classical orthogonal polynomials are usually studied as orthogonal basis of certain inner product spaces. In this talk, we propose a new approach in which these classical inner products are replaced by local Serre duality. Then our method is applied to prove the joint orthogonalities of the Heine-Stieltjes polynomials.

Date:　July 10, 2019 (Wednesday)

Time:　3:50 - 4:50pm

Venue:　Room 210, Run Run Shaw Bldg., HKU

All are welcome