

THE UNIVERSITY



OF HONG KONG

Department of Mathematics

Postgraduate Student Seminar

Grace's Theorem and Classical Invariant Theory

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Abstract

In this talk, we discuss the origins of Grace's theorem and apolarity of polynomials in the view of algebraic invariant theory, such theory has been evolved into the basis of diverse branches in modern mathematics since the beginning of 20th century. We will discuss a natural extension of Grace's theorem based on the essential differential operator called transvectant in algebraic invariant theory, and other relevant studies and analogies found in the literature.

Date: August 9, 2019 (Friday)

Time: 11:00am - 12:00noon

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

All are welcome