THE UNIVERSITY　　　　　　　　　　　**OF HONG KONG**

Department of Mathematics

Postgraduate Student Seminar

The origins of representation theory, then and now

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Abstract

In this presentation, we will go through the historical constructions and questions which helped lead to the creation of the representation theory of finite groups. We will follow the point of view and make use of the constructions given by Dedekind and Frobenius. This will lead us to some questions on group determinants which have received relatively little attention up until the 1990s. Finally, we will give some illustrations of very recent developments concerning group determinants and some of their properties. This presentation requires no previous knowledge of modern day representation theory !

Date:	May 7, 2019 (Tuesday)
Time:	11:00am – 12:00noon
Venue:	Room 210, Run Run Shaw Bldg., HKU

All are welcome