

**THE UNIVERSITY OF HONG KONG**  
**Department of Mathematics**

**APPLICATIONS ARE INVITED FOR THE FOLLOWING POST:**

Two HKU Undergraduate Helpers in the seminar "Semi-definite Optimisation and Convex Algebraic Geometry" in Mathematics

**SEMINAR OBJECTIVES**

To discuss the book "Semi-definite Optimisation and Convex Algebraic Geometry" by Blekherman, Parrilo and Thomas. The content of this book lies in the intersection of pure and applied math, in particular real algebraic geometry and convex optimisation. The focus will be on the first 5 chapters of the book.

**JOB DUTIES**

- participate in the seminar that will start from mid-September 2018
- work on research project related to the seminar under the supervision of Dr. Z. Hua & Dr. Z. Qu.

**TERMS OF APPOINTMENT**

The appointment will start from 19 September 2018 for two months. The minimal working hours per week is 8 hours. The first seminar is on 19 September 2018.

**SALARY**      HK\$2,500 per month

**ELIGIBILITY**

Applicants must be HKU undergraduate students who are majoring/minoring in Mathematics and have to meet the following criteria:

- Pass in MATH3901 Operations research I or MATH3904 Introduction to optimization, and MATH3301 Algebra I.

**APPLICATION DEADLINE**      14 September 2018

**APPLICATION PROCEDURE**      Interested applicants, please send an email to Dr. Z. Hua at huazheng@maths.hku.hk and discuss with him further.

**ENQUIRY**

Should you have any questions, please contact Dr. Z. Hua at huazheng@maths.hku.hk

Department of Mathematics, HKU  
7 September 2018