

PREFACE

2016 Hang Lung Mathematics Awards (HLMA) marked the seventh occasion of the mathematics research competition for secondary school students in Hong Kong. In the twelve years since its inauguration in 2004, we are pleased that HLMA has gone from strength to strength, with longstanding support from both the local and the international academic community.

This book collects the research papers of the winners of the 2016 HLMA which have met the highest academic standards in terms of scholarship, execution and methodology. We are gratified to see that HLMA has provided a platform that inspires the students to pursue their passion and kindles their interest in mathematics and science.

We sincerely hope that through HLMA, students would be encouraged to explore the world of mathematics and science, and to continue to cultivate their strengths and realize their potentials to the fullest.

We wish to take this opportunity to thank all our friends and supporters for their continuous endorsement of the HLMA. Through the publication of these winning research papers, we hope to continue to inspire future generations of mathematical talents to embark on an extraordinary journey of mathematical discoveries.

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