The 6th Epsilon Fund Award to Top Math Students

The Epsilon Fund Award was established in 2006 with donations from faculty and staff at the Department of Mathematics to honor mathematics students, including undergraduates, postgraduates and post-doctoral researchers who excel in mathematical scholarship and research. More than thirty students were awarded since its establishment. This year six students get the award. Each of them possesses very high cumulative grade average and some have received multiple graduate program offers from famous universities.

Six Mathematics students receiving the Epsilon Fund Award

One postgraduate:

1. **Chongli WANG (Year 2; MPhil)**
   王崇理
   二年級哲學碩士(數學)研究生

Chongli WANG (year 2; MPhil) first came to the Department in 2005 as a year-zero undergraduate student recruited from Mainland China. He selected the Pure Mathematics – Advanced Stream and graduated in 2009 with first class honors. Chongli then pursued MPhil study in our Department. Chongli got A or A+ grades in all the undergraduate and postgraduate mathematics courses. He has learnt more advanced subjects himself and has a firm grasp of fundamental ideas in the core fields of pure mathematics. In his MPhil research, Chongli did interesting work about modular forms. He proved that a group and a suitable subgroup give arise an operad structure, which generalizes the construction of Hecke algebras. In the modular form situation, the operad gives multi-linear maps between modular forms which generalizes the Hecke algebra action on modular forms. Chongli further gave an example that shows the modular operad does not preserve the rational structure of modular forms as in the Hecke algebra action, and the discrepancy is measured by a Galois group action on the modular operad. Chongli was awarded several academic scholarships: the So Hok Scholarship, the University Scholarship and the School of Science Scholarship. He has received PhD program offer from Columbia University and will study pure mathematics in number theory or algebraic geometry.

Five undergraduates:

## 2.	Tianqi FAN (Year 3; PM-AS)
范天琪

三年級理學士(數學)-純粹數學高級班本科生

Tianqi FAN is currently our year-three student pursuing our Bachelor of Science (Mathematics) Degree enrolling in our Pure Mathematics – Advanced Stream program. Tianqi is a mathematically gifted student. She has a 10.95 CGA. She has taken many advanced stream mathematics courses as well as postgraduate courses with outstanding grades. In exchange program, she also excelled in courses. To recognize her excellent academic results, Tianqi was offered several scholarships such as the University Scholarship and the George K Lee Foundation Scholarship. Next year she will pursue PhD study with full fellowship in the University of Chicago.

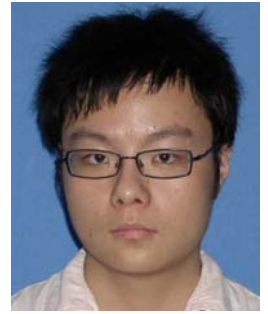## 3.	Miaoqi FU (Year 3; ST)
付妙琪

三年級理學士(數學)-統計學本科生

Miaoqi FU is our year-three student currently pursuing our Bachelor of Science (Mathematics) Degree enrolling in our Statistics Option. Miaoqi has an amazingly superb academic record. She has a 10.73 CGA. Among all 20+ mathematics courses she took in the Department and in Rice University where she spent one semester in an exchange program, she has 13+ A+ and the rest A- except for one. This academic achievement is very rare among all students previously graduated from our Department. This shows that Miaoqi is a talented student. Miaoqi has several scholarships such as the University Scholarship, the HKSAR Government Scholarship and the Joseph Lau Luen Hung Charitable Trust Scholarship. In the coming fall, Miaoqi will pursue her postgraduate study in the Department of Mathematics at HKUST.

4. **Yuqi SHAO (Year 3; BM)**
邵瑜琪

三年級理學士(數學)-工商管理學本科生

Yuqi SHAO is our year-three student pursuing the Bachelor of Science Mathematics) Degree enrolling in our Mathematical Sciences Option in Business and Management. Yuqi has a CGA of 11.15, the highest among the mathematics graduating students this year. He receives grade A range in almost all courses. With excellent academic performance, Yuqi was awarded scholarships such as the University Scholarship and the George K Lee Foundation Scholarship. Yuqi has received admission offers to many graduate programs related to financial engineering, including ones from Cornell, Columbia and Carnegie Mellon. After graduation, he plans to go to Carnegie Mellon to do a MSc in Computational Finance.

5. **To Yeung WONG (Year 2; MAEC)**
黃道揚

二年級數學(數學與經濟)理學士本科生

To Yeung WONG is now our year-two student pursuing the Bachelor of Science Degree in Mathematics and Economics. He is an exceptional, talented student. With a 11.3 CGA, he is the best second year student in the MAEC program. He was also the top student in Math 202 and 301 classes last year. Almost all courses he took he got A or A+ grade. To Yeung was awarded the University Scholarship and the George K Lee Foundation Scholarship for his academic excellence. For extra-curricular activities, To Yeung was the Executive Committee of Yo-hoo Club in the past two semesters. He enjoyed it as it enriched much his university life.

6.   Lap Ming LAU Alvin (Year 1; PM-AS)
劉立銘
一年級理學士(數學)-純粹數學高級班本科生

Lap Ming LAU Alvin is currently our first-year student pursuing the Bachelor of Science (Degree) enrolling in the Pure Mathematics – Advanced Stream. Lap Ming is a superb, talented student. He has a perfect 12.0 CGA of grade A+. This is an extraordinary achievement. Lap Ming was a former Hong Kong International Mathematical Olympiad contestant who won a bronze medal during competition. He has greatly impressed his teachers in the advanced stream courses and they have high expectations of him in the future.

The Epsilon Fund Award Committee members congratulate these winners and would like to make honorable mentions to the following two other nominees:

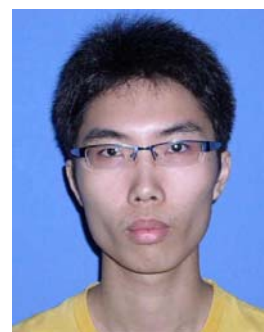**Honghao GAO (Year 2; PM-AS)**
高鴻灝
二年級理學士(數學)-純粹數學高級班本科生

- Honghao's latest CGA is 11.37 of grade A
- He has been awarded the University Scholarship and the George K Lee Foundation Scholarship

Wai Ming TAI (Year 1; PM-AS)
戴煒銘
一年級理學士(數學)-純粹數學高級班本科生

- Wai Ming's latest CGA is 11.6 of grade A+
- He was a former Hong Kong IMO team member and coauthored the 2010 IMO problem 2 with Wang Chongli