

14 May 2012

## The 7<sup>th</sup> Epsilon Fund Award to Top Students

The Epsilon Fund Award was established in 2006 with donations from faculty and staff at the Department of Mathematics, or from the departmental fund to honor excellent 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 seven students get the award. Each of them possesses very high cumulative grade average, especially in mathematics subject, and some have received multiple graduate program offers from famous universities.

### Seven Mathematics students receiving the Epsilon Fund Award

#### One postgraduate:

1. **Wendong ZHENG (Year 3; PhD)**

鄭文棟

三年級哲學博士(數學)研究生



Wendong ZHENG (year 3; PhD) first came to the Department of Mathematics in 2007 pursuing the Master of Philosophy (Mathematics) Degree. He completed the program in 2009 and continued his PhD study in the Department. His research supervisor said, “Wendong has made good and steady progress throughout his graduate study. He published one paper at a good journal based on his MPhil thesis work. In his PhD study, he works on the pricing and hedging of exotic variance swaps and volatility derivatives. His PhD thesis leads to three papers, the first theoretical paper on analytic formulas has been recommended for acceptance with a few minor corrections (current stage) by all referees in Mathematical Finance, the number one journal in our field. The other two papers are related to analytic approximation and numerical algorithms. We expect these two papers will be publishable in leading journals.”

## Six undergraduates:

### 2. Lijun DING (Year 1; PM-AS)

丁立君

一年級理學士(數學)-純粹數學高級班本科生

Lijun DING is currently our year-one student pursuing our Bachelor of Science (Mathematics and Economics) Degree. Lijun is good at mathematics. His cumulative GPA is 3.94. His performance in the difficult Advanced Stream sequences in analysis and algebra is superbly good. Lijun has been awarded the School Scholarship and the Joseph Lau Luen Hung Charitable Trust Scholarship for his academic excellence.

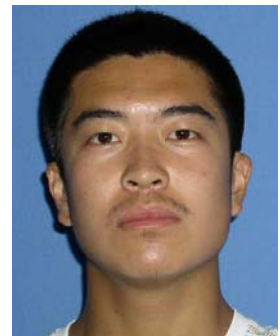


### 3. Hang CUI (Year 1; PHY)

崔行

一年級物理學理學士(物理與數學)本科生

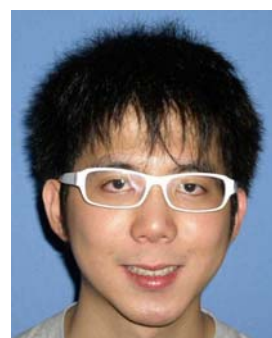
Hang CUI is a first-year student currently pursuing dual degrees, namely the Bachelor of Science (Physics) Degree in the Physics and Mathematics option and the Bachelor of Science (Computer Science) Degree. Like Lijun, Hang Cui performs well in mathematics courses. His cumulative GPA is 3.99. He has also taken the Advanced Stream sequence in analysis and algebra and has performed in a superior fashion in both courses. Hang CUI has been awarded the School Scholarship and the Paul Ching-Wu Scholarship for his academic excellence. Although not a MATH major, the Epsilon Award Committee believes the Epsilon Award should recognize superior mathematical performance and CUI certainly has done this.



**4. Kit Chun WAN (Year 2; PM)**

尹杰津

二年級理學士(數學)-純粹數學本科生



Kit Chun WAN is now our year-two student pursuing the Bachelor of Science (Mathematics) Degree and enrolling in the Pure Mathematics Option. He is an exceptional, talented student. With a cumulative GPA of 4.027, he is the best second year student in the pure mathematics option. He was also the top student in MATH 2031 and MATH 3033 classes (core courses for 95% of MATH UG students) for Fall 2010-Spring 2011 and Fall 2011, respectively. “His homework, presentation and exam marks are near perfect. The prize is a recognition of his achievement”, as commented by one faculty. Kit Chun has been awarded the George K Lee Foundation Scholarship for his academic excellence.

**5. Xiaotian WANG (Year 3; MAEC)**

王笑天

三年級數學(數學與經濟)理學士本科生

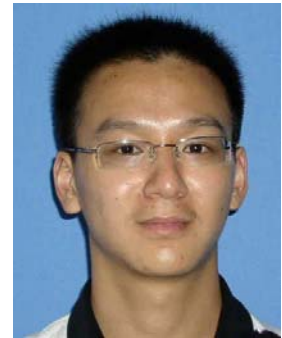


Xiaotian WANG has a good cumulative GPA. He is a year 3 undergraduate student now studying the Mathematics and Economic program. Other than UST courses, he has taken courses from the Haas School of Business at UC Berkeley in Summer 2010 and from the MacIntire School of Commerce at the University of Virginia on exchange in Fall 2011. He received excellent grades from these famous business schools, which helped his PG applications substantially. He has received PG offers from the London School of Economics, Maryland, Illinois Urbana-Champaign, Washington St. Louis and University of Hong Kong. He is considering the London School of Economics and awaits more offers.

**6. Ding YUAN (Year 3; MAEC)**

袁玓

三年級數學(數學與經濟)理學士本科生



Ding YUAN is currently our third-year student pursuing the Bachelor of Science (Degree) in Mathematics and Economics. He has received multiple offers from several top Economics programs in the US. He has decided to go to Columbia University. Ding worked on an UROP on mathematics of apportionment of legislature seats. In the project, he worked on the theoretical studies on inequity measure of various apportionment schemes that allocate legislature seats based on votes or populations. The learning curves of the relevant techniques are considered to be quite steep even for beginning graduate students. He considered the discrepancy function approach to characterize the degree of inequity and attempted to develop a unified framework for analyzing unfairness and biases of the well established apportionment schemes. Some of his results go beyond those established by Balinski and Young in their classical book (2001). Admirably, he could work quite independently and obtained results that are publishable in a research journal. Ding has a cumulative GPA of 3.83. He was awarded for the Hua Qi Scholarship and Scholarship for Continuing Students for his academic excellence.

**7. Yiqun ZHAO (Year 3; ST)**

趙亦群

三年級理學士(數學)-統計學本科生



Yiqun ZHAO is currently our year-three student pursuing the Bachelor of Science (Mathematics) Degree enrolling in Statistics Option. She is one of the top UG students in statistics option with good academic record. She has a cumulative GPA of 3.65. For most of her core mathematics courses, she scored A- or above. Yiqun received the University Scholarship as well as the Lee Hysan Foundation Exchange Scholarship for her academic excellence. She has also got offers from various graduate programs in top universities in the United States.