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## Science Distinguished Lecture Series

# Story of a Theorem in Euclidean Geometry



## Professor Gang Tian

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*Director, Beijing International Center for Mathematical Research*  
*19th Alan Waterman Award, 1994, NSF, USA*  
*Oswald Veblen Prize, 1996*  
*Elected to Chinese Academy of Sciences, 2001*  
*Elected to American Academy of Arts and Sciences, 2004*  
*Special National Expert of Chinese 1000 Program*

**Date:** 18 December 2012 (Tuesday)

**Time:** 4:30 pm - 5:30 pm (Preceded by Reception at 4:00 pm)

**Venue:** RRS905, Sir Run Run Shaw Building,  
Ho Sin Hang Campus,  
Hong Kong Baptist University

### Abstract

Mathematics is full of mystery and beauty. In this talk, I will illustrate it through a very old theorem in Euclidean geometry. This theorem can be proved in a simple way by using facts in Euclid's "Element". I will show you how it is related to modern geometry and algebra, particularly, the group theory. I will also show our recent researches which have common features based on the same principle and how they interact with the string theory.

✦ ✦ ✦ **All are welcome** ✦ ✦ ✦

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