



YONSEI Math-CSE Colloquium

Algebraic surfaces and their moduli spaces

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The theory of algebraic surfaces was first developed around 1900 by the Italian school, and has been continuously updated throughout the 20th century and to the present day. People mention that at the onset of the theory of algebraic surfaces (around 1870–1895) Noether, Enriques and Castelnuovo said that while algebraic curves had been made by God, algebraic surfaces were made by the devil. But Enriques, in the final page of his famous book ‘Le Superficie Algebriche’ (published in 1949), says that really God created for algebraic surfaces a higher level order of ‘hidden harmonies’, where an incredible beauty shines.

In this colloquium talk, I will present the richness and beauty of their properties, and survey recent developments and some remaining interesting problems (in my point of view) in the theory of algebraic surfaces and their moduli spaces.

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Sci Building #225

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