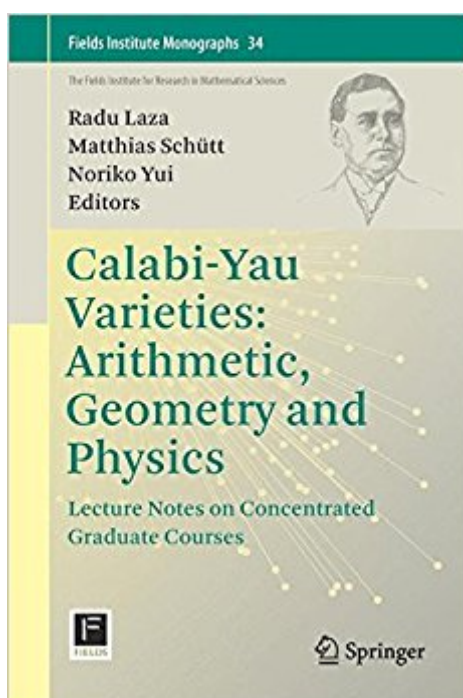The book was found

Calabi-Yau Varieties: Arithmetic, Geometry And Physics: Lecture Notes On Concentrated Graduate Courses (Fields Institute Monographs)

Synopsis

This volumeÃ Â presents a lively introduction to the rapidly developing and vast research areas surroundingÃ Â CalabiÃ¢ ¬â œYau varieties and string theory.Ã Â With its coverage of the various perspectives of a wide area of topics such as Hodge theory,Ã Â GrossÃ¢ ¬â œSiebert program, moduli problems, toric approach, and arithmetic aspects, the book gives a comprehensive overview of the current streams of mathematical research in the area.The contributions in this book are basedÃ Â on lectures that took place during workshops with the following thematicÃ Â titles: Ã¢ ¬Å"Modular Forms Around String Theory,Ã¢ ¬Å• Ã¢ ¬Å"EnumerativeÃ Â Geometry and CalabiÃ¢ ¬â œYau Varieties,Ã¢ ¬Å• Ã¢ ¬Å"Physics Around Mirror Symmetry,Ã¢ ¬Å• Ã¢ ¬Å"Hodge TheoryÃ Â in String Theory.Ã¢ ¬Å• Ã Â The book is ideal for graduate students and researchers learning aboutÃ Â CalabiÃ¢ ¬â œYau varieties as well as physics students and string theorists who wish to learn the mathematics behind these varieties.

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