

The Institute of the Mathematical Sciences of the Americas

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Conformal Blocks in Algebraic Geometry

Han-Bom Moon

In this series of lectures, I briefly introduce mathematical aspects of the WZW model and the theory of conformal blocks. I will discuss the formal definition and basic properties of conformal blocks and how they are related to the geometric study of moduli spaces of curves and parabolic bundles. Most of the lectures will be accessible for non-experts and graduate students.