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SELBERG INTEGRALS AND GEOMETRY

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Abstract

Selberg integrals are an n -dimensional generalization of the Euler beta integral. In recent years Selberg integrals suddenly rise to prominence because its central role in important, yet different, representation theory and problems of mathematical physics such as random matrix theory, orthogonal polynomial theory, and various problems of quantum many body theory. I review, yet another arena of Selberg integrals - geometry and conformal symmetry.

Date : Wednesday, October 8, 2014

Time: 14:00

Place: IMBM Seminar Room, Boğaziçi University South Campus