

Theory of Bessel Functions of High Rank

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Abstract

In this talk, I will introduce fundamental Bessel functions for $\mathrm{GL}_n(\mathbb{F})$ arising from the Voronoï summation formula as well as Bessel functions for $\mathrm{GL}_2(\mathbb{F})$ and $\mathrm{GL}_3(\mathbb{F})$ occurring in the Kuznetsov trace formula, where n is any positive integer and $\mathbb{F} = \mathbb{R}$ or \mathbb{C} .

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