

Student Session, Room S-144
Friday, May 24, 16:25–16:45

On interpolation between zonal spherical functions of
 $\mathrm{GL}_2(Q_p)$ and $\mathrm{GL}_2(R)$

Uri Onn (urion@techunix.technion.ac.il)

Department of Mathematics

Technion Institute

Haifa 32000

Israel

Abstract. We will describe a model which interpolates between zonal spherical functions (= characters of the algebra $L^1(K \backslash G / K)$), $G = \mathrm{GL}_2$, $K =$ maximal compact subgroup) of $\mathrm{GL}_2(Q_p)$ and $\mathrm{GL}_2(R)$. A q -difference operator, and a family of measures parametrized by q , are used to interpolate between p -adic and real settings.

