MARCOS LÓPEZ, UNAM, Área de la investigación Científica, Cd. Universitaria Coyoacán 04510, México D.F. *Functional equations related to indeterminate moment problems*

For $\beta \in \mathbb{R}$, p > 0, and 0 < q < 1 fixed, we characterize the integrable functions on $(0, \infty)$ satisfying the functional equation $f(qx) = q^{\beta - 1/2}(x + pq^{-1/2})f(x)$, and show that they are solutions to the generalized Stieltjes–Wigert moment problem.