

Harmonic Berezin transforms on half-spaces

JIRÍ JAHN

SU, Opava, Matematický ústav

We describe the asymptotics of the Berezin transforms associated to spaces of harmonic functions on the half-space $H := \{(x, y); x \in \mathbf{R}^n, y > 0\}$ that are square integrable with respect to the measure $y^\alpha dx dy$ and depend only on y . This extends the results of C. Liu (2005) and R. Otáhalová (2008) for the unit ball.