

Vol.22(3)

Hyperbolic L_2 -modules with Reproducing Kernel

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收稿日期 2004-4-15 修回日期 网络版发布日期 2006-3-22 接受日期 2004-8-26

摘要

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分类号

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Abstract In this paper, the Dirac operator on the Klein model for the hyperbolic space is considered. A function space containing L_2 -functions on the sphere S^{m-1} in \mathbb{R}^m which are boundary values of solutions for this operator is defined, and it is proved that this gives rise to a Hilbert module with reproducing kernel.

Key words [Hyperbolic space](#) [Clifford analysis](#) [Cauchy transform](#) [Lie sphere](#)

DOI:

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