



Mathematical Physics

Projectively Equivariant Quantization and Symbol calculus in dimension 1|2

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The spaces of higher-order differential operators (in Dimension 1|2), which are modules over the stringy Lie superalgebra $K(2)$, are isomorphic to the corresponding spaces of symbols as orthosymplectic modules in non resonant cases. Such an osp (2|2)-equivariant quantization, which has been given in second-order differential operators case, keeps existing and unique. We calculate its explicit formula that provides extension in particular order cases.

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