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Abstracts of Short Communications and Posters

Section:

11. Mathematical Physics

1991 MS Classification:
Pflaum, Markus, Mathematisches Institut, Humboldt-Universität
Remarks on the quantization of stratified symplectic manifolds
We introduce a notion of deformation quantization for stratified symplectic spaces which extends the well-known deformation quantization on manifolds to singular spaces. For certain reduced spaces of circle actions on symplectic manifolds we show that a deformation quantization in the above sense exists indeed.