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On the Verlinde formulas for SO (3)-bundles

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This paper computes the quantization of the moduli space of flat SO(3)bundles over an oriented surface with boundary, with prescribed holonomies around the boundary circles. The result agrees with the generalized Verlinde formula conjectured by Fuchs and Schweigert.

Comments: 16 pages

Subjects: **Symplectic Geometry (math.SG)**; Mathematical Physics (math-ph); Algebraic Geometry (math.AG); Differential Geometry (math.DG)

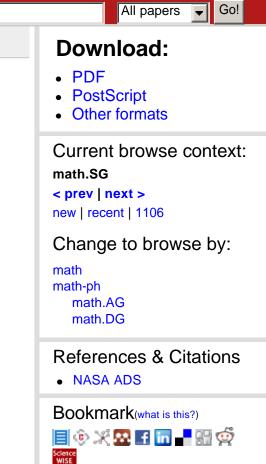
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