

MR628324 (82h:83033) [83C45](#) ([58F06](#) [83F05](#))

Isenberg, James A.; Gotay, Mark J.

Quantum cosmology and geometric quantization.

Gen. Relativity Gravitation **13** (1981), no. 4, 301–306.

Authors' summary: "The Kostant-Souriau method of geometric quantization is applied to homogeneous and isotropic cosmological models with positive intrinsic curvature and a massless Klein-Gordon scalar field. These models are studied because classically they collapse to a singularity. It is rigorously shown that the quantized models collapse as well (so that there is no 'quantum bounce'). This work demonstrates the practical usefulness of geometric quantization for the study of physical systems."

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