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Noncommutative Minisuperspace and Lambda

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Abstract content

We analyze the effects of phase space deformations in cosmology. The deformation is introduced by modifying the symplectic structure of the theory. It is found that in the deformed model the initial singularity is removed. Furthermore we find an accelerating scale factor for the late time evolution. Finally a relationship between the noncommutative parameter and the cosmological constant is established.

Summary

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