

General Relativity and Quantum Cosmology

Phantom Wormholes in (2+1)-dimensions

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In this paper, we have constructed a (2+1)-dimensional wormhole using inhomogeneous and anisotropic distribution of phantom energy. We have determined the exact form of the equation of state of phantom energy that supports the wormhole structure. Interestingly, this equation of state is linear but variable one and is dependent only on the radial parameter of the model.

Comments: 10 pages, 5 figures

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