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## Effect of phantom dark energy on Gravitational Lensing

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Abstract: Recent cosmological observations suggest that the accelerated expansion of the universe is governed by dark energy with the equation of state parameter (w) restricted to the range -1.38 < w < -0.82. This indicates the possibility of dark energy with w < -1. A phantom scalar is regarded as an effective field description of such dark energy component. In the present work we have estimated the influence of phantom dark energy on the Gravitational Lensing phenomenon and explore the possibility, at least in principle, of discriminating phantom dark energy from cosmological constant from local observations.

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