arXiv.org > physics > arXiv:1107.5211

Search or Article-id

(Help | Advan

All papers

Physics > General Physics

Noether Gauge Symmetry Approach in f(R) Gravity

Ibrar Hussain, Mubasher Jamil, F. M. Mahomed

(Submitted on 26 Jul 2011)

We discuss the f(R) gravity model in which the origin of dark energy is identified as a modification of gravity. The Noether symmetry with gauge term is investigated for the f(R) cosmological model. By utilization of the Noether Gauge Symmetry (NGS) approach, we obtain two exact forms f(R) for which such symmetries exist. Further it is shown that these forms of f(R) are stable.

Comments: 6 pages, accepted by Astrophys. Sp. Sci

General Physics (physics.gen-ph); General Relativity and Quantum Subjects:

Cosmology (gr-qc)

Journal reference: Astrophys Space Sci (2012) 337:373-377

DOI: 10.1007/s10509-011-0812-9

Cite as: arXiv:1107.5211 [physics.gen-ph]

(or arXiv:1107.5211v1 [physics.gen-ph] for this version)

Submission history

From: Ibrar Hussain [view email]

[v1] Tue, 26 Jul 2011 13:37:30 GMT (33kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

Download:

- PDF
- PostScript
- Other formats

Current browse cont physics.gen-ph < prev | next >

new | recent | 1107

Change to browse b

physics

References & Citation

NASA ADS

Bookmark(what is this?)







