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CMB Tensor Anisotropies in f(R) Gravity

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The cosmic microwave background (CMB) carries information from the last scattering surface that puts constraints on the multitude of proposed cosmological models and the gravity theories they are based on. Amongst such theories are the f(R) theories of gravity which have become an interesting endeavour to correct for the degeneracies of the concordance model. We present a description of CMB anisotropies generated by tensor perturbations in f(R) theories of gravity. The power spectra of the observables TT and EE in the special case of f(R)=R<sup>

n</sup> are computed using a modified version of CAMB.

Level (Hons, MSc,
> PhD, other)?

MSc

Consider for a student
 award (Yes / No)?

Yes

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

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