All sky analysis for the CMB bispectra generated from non-Gaussianity in the tensor and vector perturbations

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M. Shiraishi, S. Yokoyama, DN, K. Ichiki, and K. Takahashi :1003.2096
M. Shiraishi, DN, S. Yokoyama, K. Ichiki, and K. Takahashi, in prep.

Our works

・We present a complete set of formulae for calculating the bispectra of CMB temperature anisotropies generated from non-Gaussianity in the vector and tensor mode perturbations.

・We compute the CMB bispectrum induced by the interaction between two scalars and a graviton during inflation (J. M. Maldacena 2003).

$$S_3 = g \int d^4x \, a \gamma_{ij} \partial_i \zeta \partial_j \zeta$$

T-S ratio =0.1