

Gerasimos Rigopoulos

Athens \rightarrow Cambridge \rightarrow Utrecht \rightarrow Helsinki

I have worked a lot on non-Gaussianity from inflation \rightarrow Non-linear perturbation theory.

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Recent research in Helsinki:

- "On the divergences of inflationary superhorizon perturbations", K. Enqvist, S. Nurmi, D. Podolsky, G.I. Rigopoulos; JCAP 0804:025,2008 [arXiv:0802.0395]
- "Parametric Decay of the Curvaton", K. Enqvist, S. Nurmi, G.I. Rigopoulos; to appear in JCAP [arXiv:0807.0382]

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Directions:

- New twists in the curvaton: parametric decay, vector curvaton (Dimopoulos)
- Role of flat directions in preheating
- Quantum loop corrections for inflationary perturbations

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Helsinki: Great academic environment & infrastructure, No polar bears