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The full CMB temperature bispectrum from single-field inflation

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CMB non-Gaussianity can be used to discriminate between models of the early universe. However, to correctly measure a primordial signal we must remove any contamination from intrinsic non-linear effects intervening between the initial conditions and the CMB anisotropies. I will compute these effects, first when one of the momenta is much smaller than the others (squeezed limit) and then with a full second-order calculation using the Boltzmann COSMOLib2nd. I will then discuss their observability and their contamination to measurement of a primordial signal.

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