

In this lecture we will review methods to calculate primordial non-Gaussianity in single field inflationary models and its various limits. Then we will extract some observable quantities such as the amplitude of NG, shapes of NG, and its running with scale. Finally, we will see how considering terms with higher order slow roll will affect earlier results with some specific examples.

References: [arXiv:astro-ph/0503692v2](https://arxiv.org/abs/astro-ph/0503692v2), [arXiv:astro-ph/1102.0275v2](https://arxiv.org/abs/astro-ph/1102.0275v2), [arXiv:hep-th/0605045v4](https://arxiv.org/abs/hep-th/0605045v4)