

# Practical Guide to Compute $f_{\text{NL}}$ outside the Horizon

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**Non-Gaussianity in multi-field inflation**  
**Curvature perturbation evolves outside the horizon.**

→ **NG becomes trajectory-dependent.**

**How to compute  $f_{\text{NL}}$  reliably?**

**$\delta N$  vs. covariant perturbative approach**  
→ **Complementary check of calculations: they agree with each other 1% accuracy.**

**How does  $f_{\text{NL}}$  behave in the adiabatic limit?**

**It decays no faster than  $a^{-3}$  when the trajectory approaches the adiabatic limit for the arbitrary potentials.**

