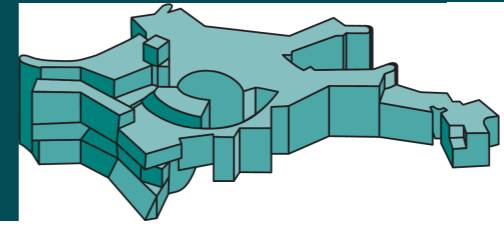


Axion kinetic inflation with non-Abelian gauge fields

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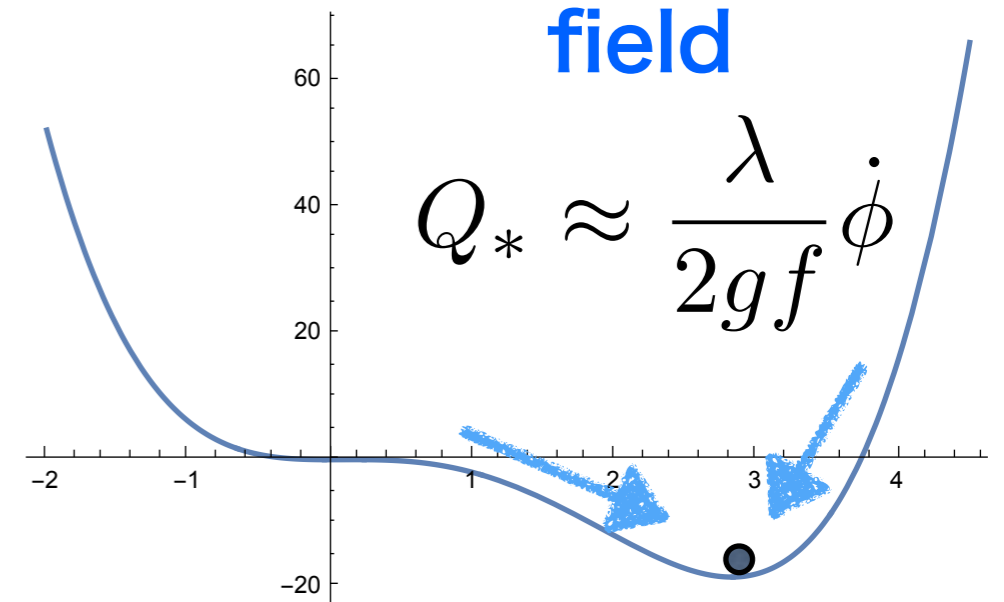


$$L = R - X + X^2 + X \square \phi + G^{\mu\nu} \partial_\mu \phi \partial_\nu \phi - F^2 - \phi F \tilde{F}$$

Axion = Inflaton

SU(2) gauge field

Target for LiteBIRD B-mode!!



$$r \approx 5 \times 10^{-3} \left(\frac{\epsilon_s}{10^{-2}} \right)^{3/2} \left[1 + \frac{Q_*^2}{2M_p^2} e^{\pi(\xi_\phi + \xi_Q)} |G_+|^2 \right]$$

**Only +2 helicity mode is amplified:
Chiral GW signal**