

$$- N^2 = 2gain\theta - e + N_1^2 = N_1^2 + 2a\Delta z$$

$$- N^{2} = 2g_{0}im\theta - e \times e$$

$$= \frac{1}{2}g_{0}im\theta \cdot t^{2} \times e$$

$$= \frac{1}{2}g_{0}im\theta \cdot t$$

$$t = \sqrt{\frac{20}{g^{nino}}} = \sqrt{\frac{20}{g^{nino}}}$$

