

$\mathcal{L}(q, \cdot, t)$ graph \mathcal{L} graph $\frac{\partial \mathcal{L}}{\partial \dot{q}} \dot{q}$ $\mathcal{H}\left(q, \frac{\partial \mathcal{L}}{\partial \dot{q}}, t\right)$ \dot{q} \dot{q} 