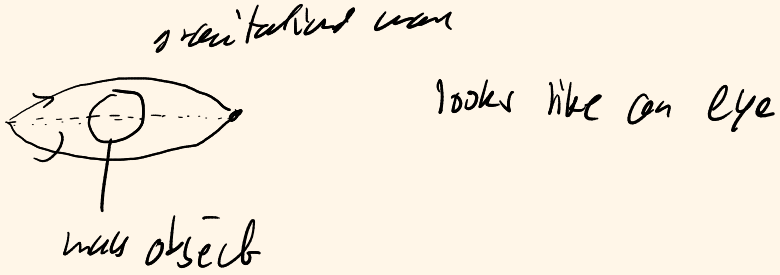
lecture 2024-02-08

$$\mathcal{L} = R + \frac{1}{2}\partial_a \phi \partial^b \phi + \ell^2 f(\phi) R_{GB}$$

$$R_{GB} = R_{abcd} R^{abcd} + \delta R_{ab} R^{ab} + R^2$$

$$f(\phi) = \frac{\phi^2}{\ell^2} + \frac{\eta \phi^4}{i\,6}$$

gravitational waves could be lenced, gravitational lencing on gravitational wave