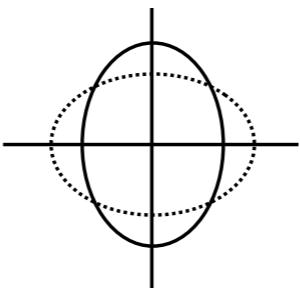
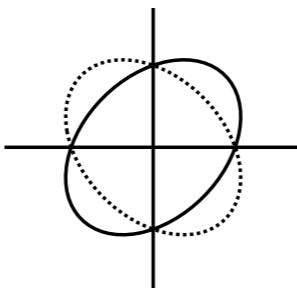
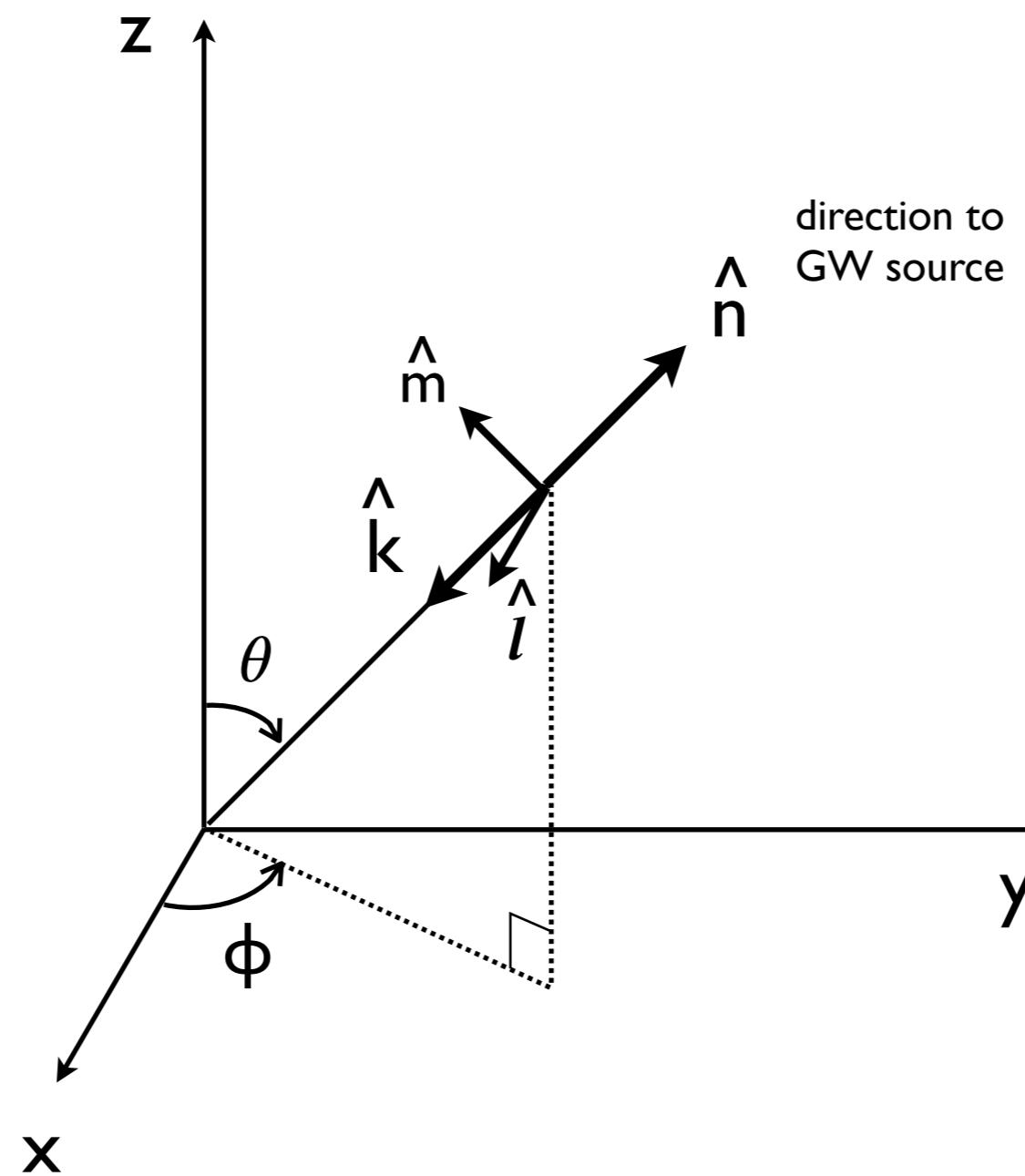


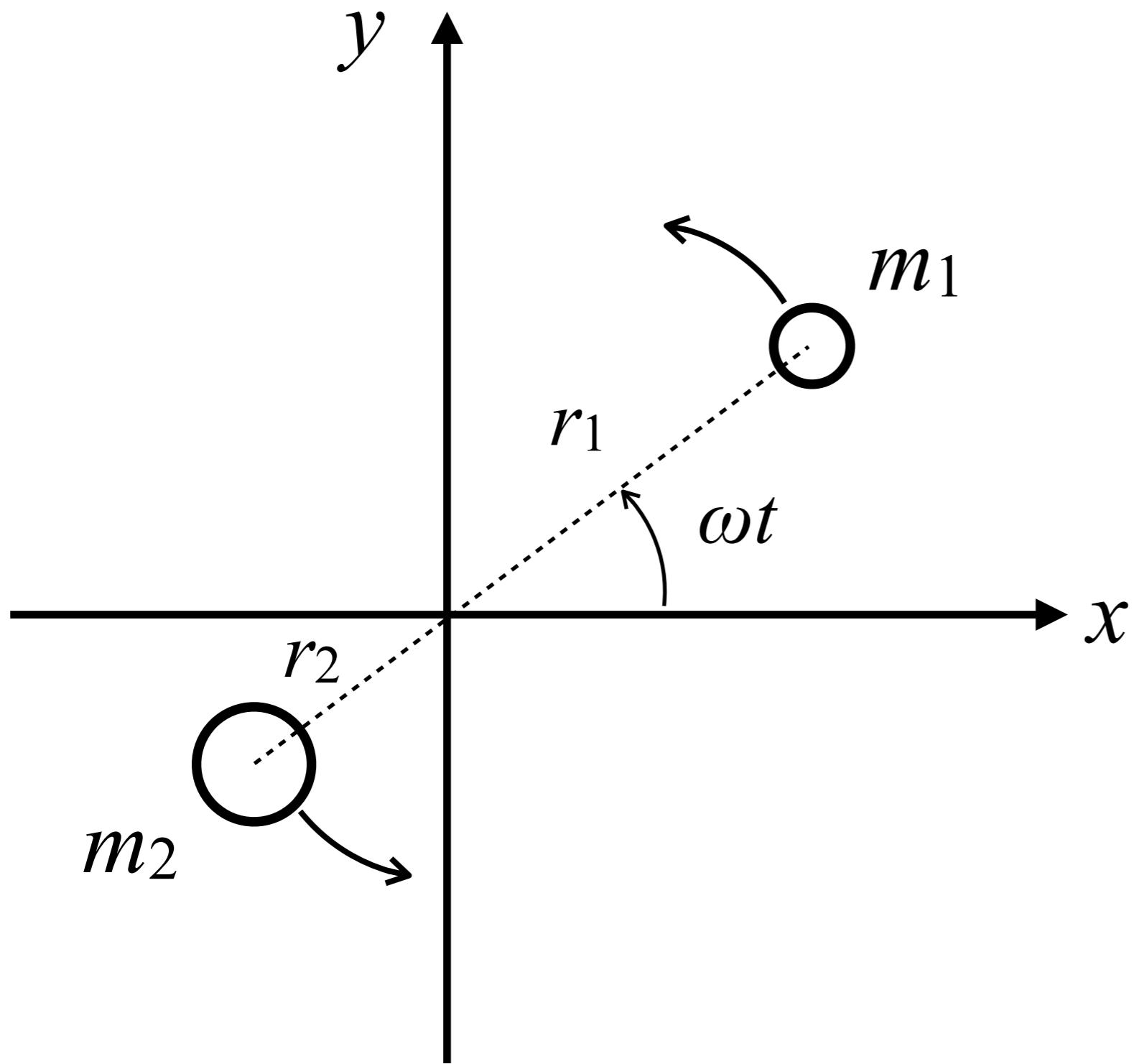
+



x







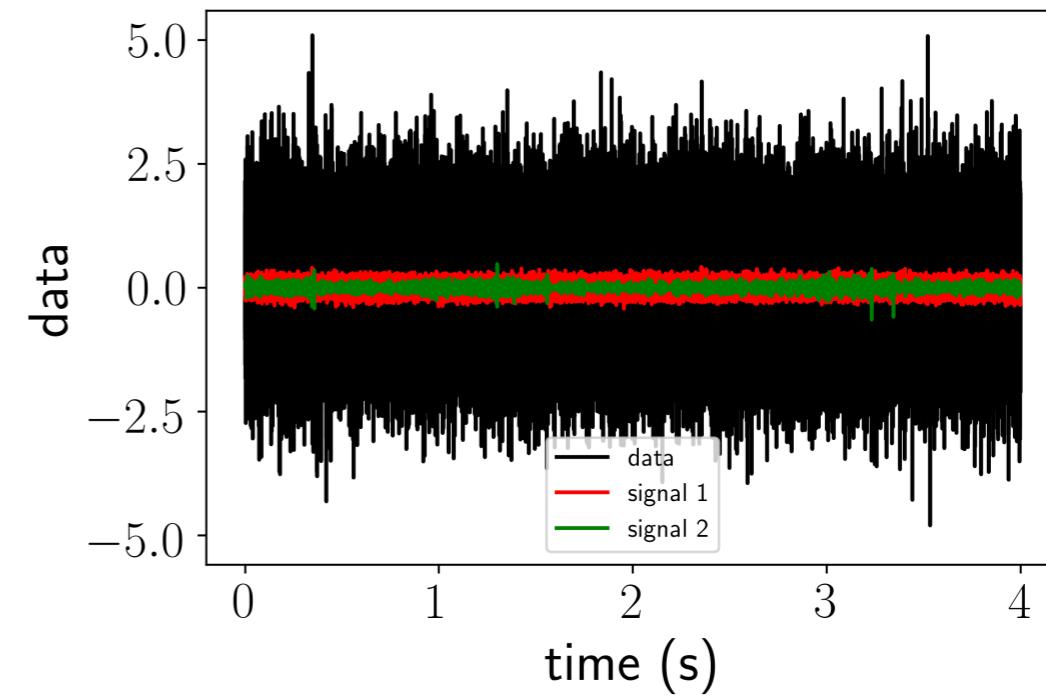
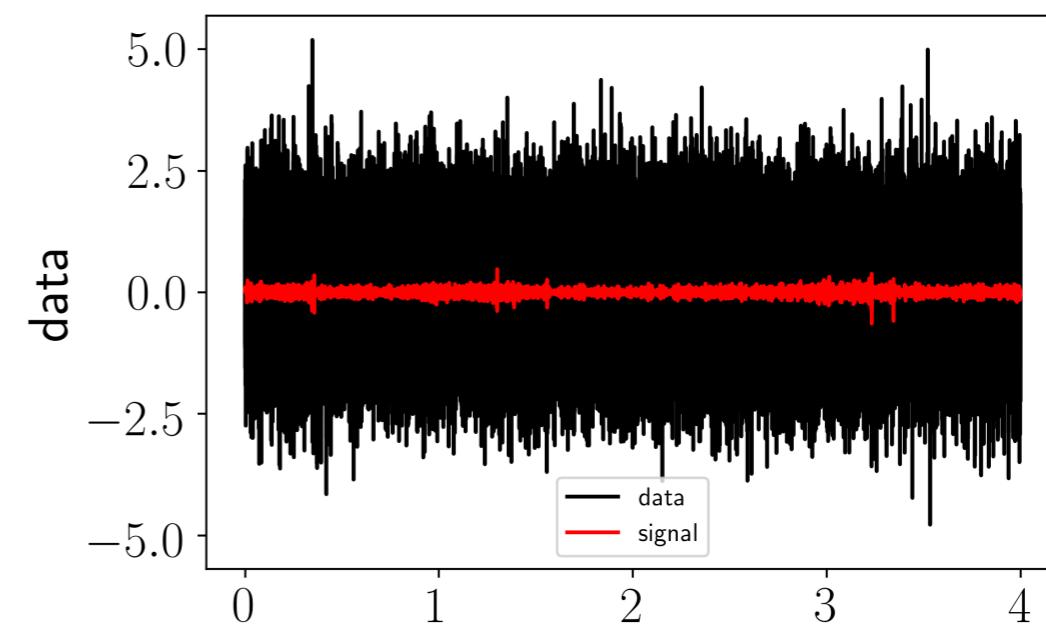
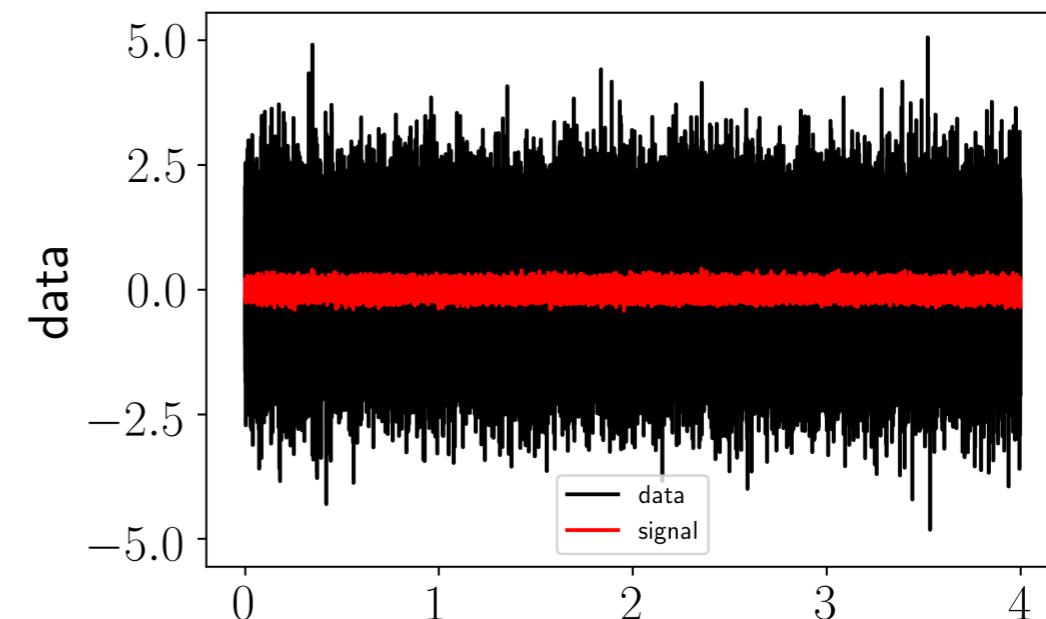
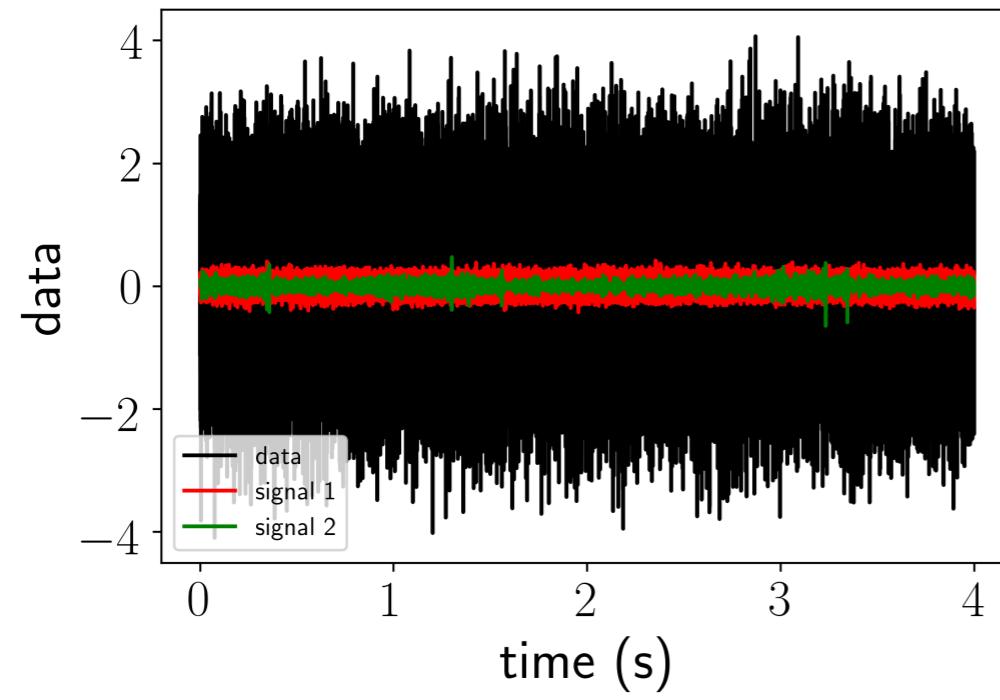
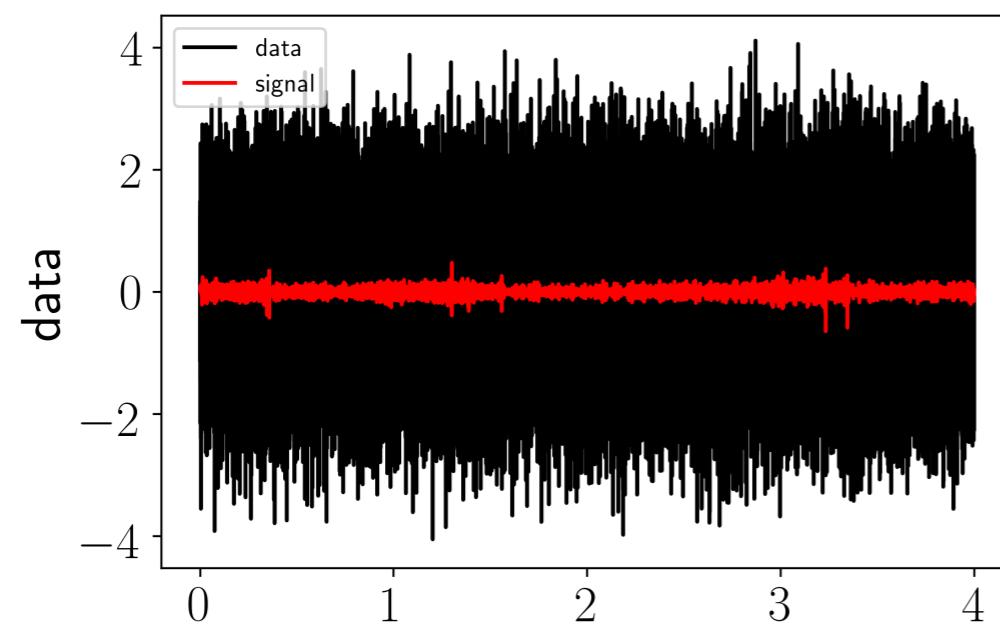
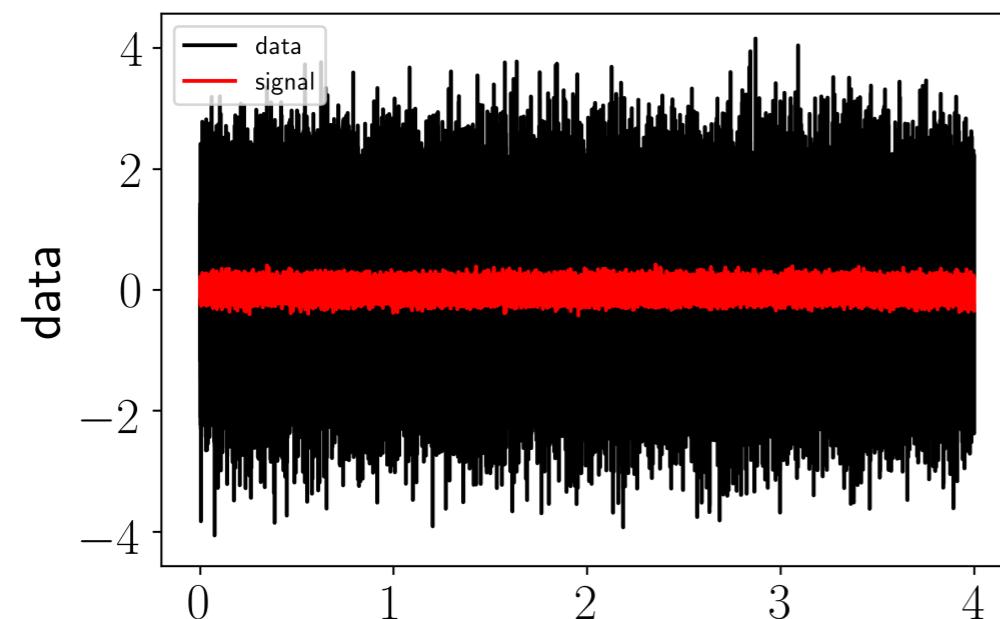
$$E_{\text{orb}} = -\frac{GM\mu}{2r}$$

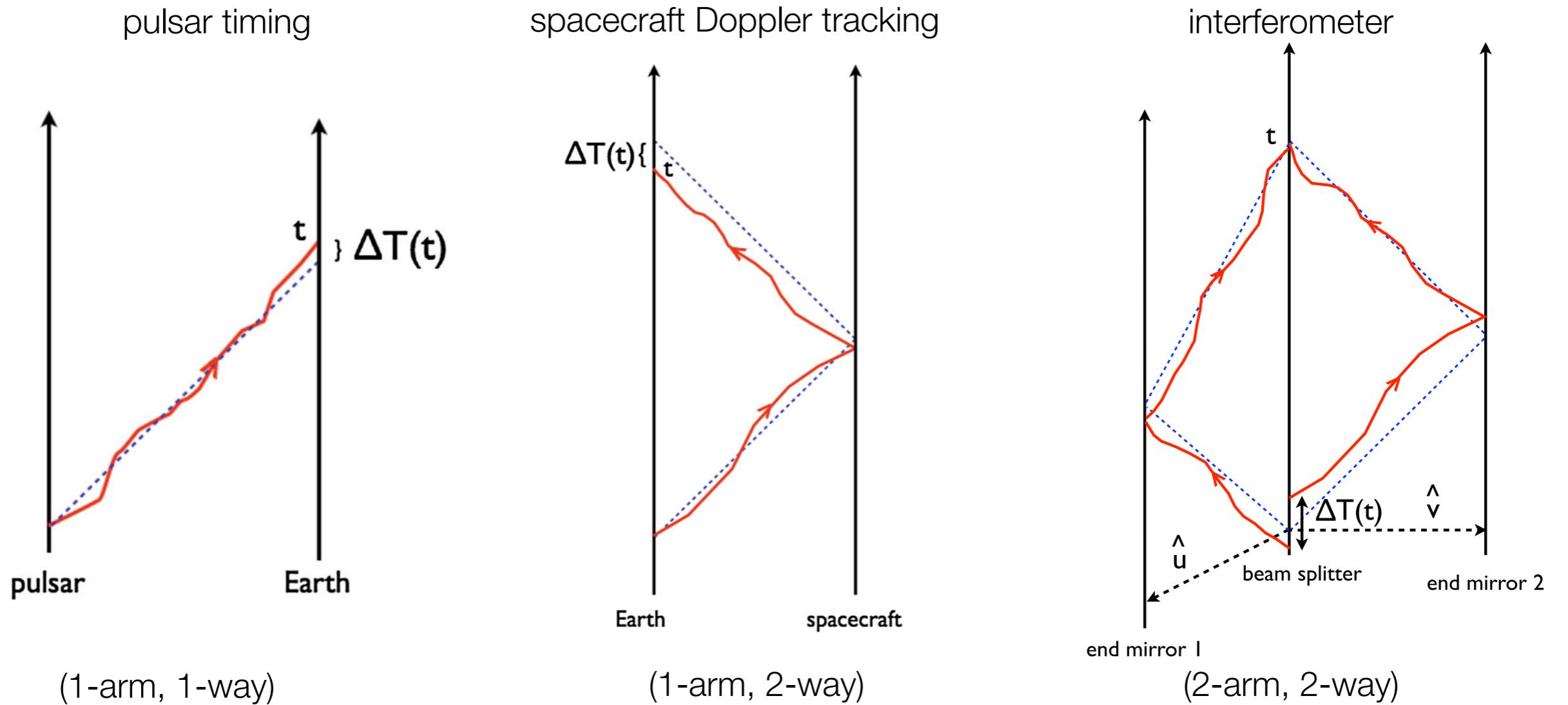
$$r \equiv r_1 + r_2$$

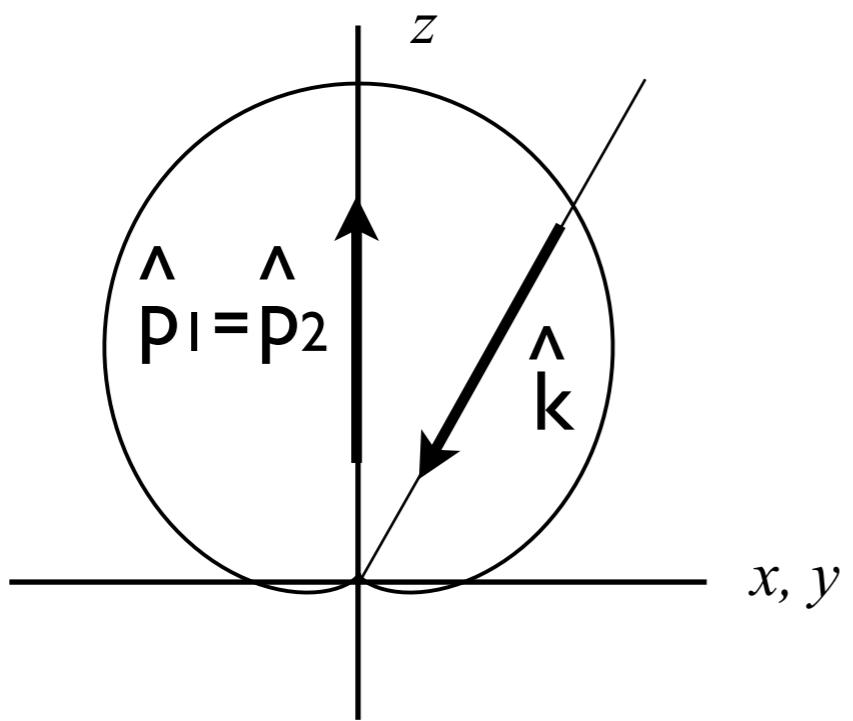
$$M \equiv m_1 + m_2$$

$$\mu = \frac{m_1 m_2}{m_1 + m_2}$$

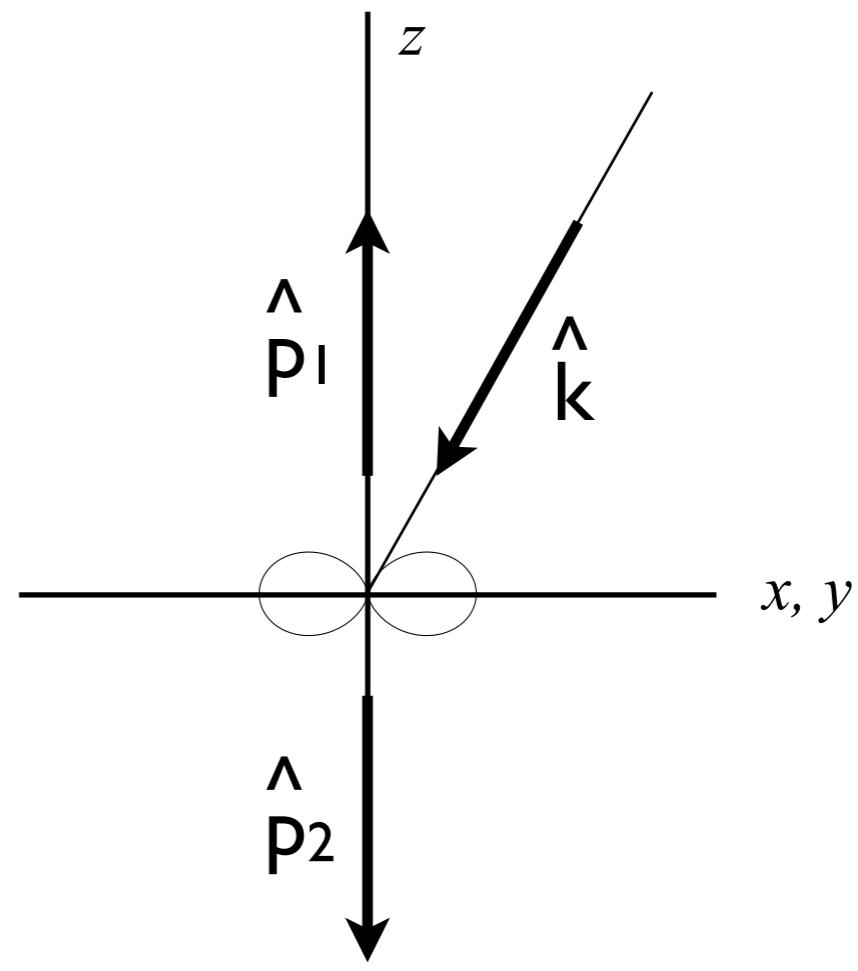
$$\mathcal{M}_c \equiv \frac{(m_1 m_2)^{3/5}}{(m_1 + m_2)^{1/5}} = \mu^{3/5} M^{2/5}$$







(a)



(b)