

$$m = 1, L = 10.0, E_{\max} = 20.0$$

$$E_2 = 2m + \frac{3g}{Lm^2} + \mathcal{O}(g^2)$$

$$E_3 = 3m + \frac{9g}{Lm^2} + \mathcal{O}(g^2)$$

— E_2
— E_3

$E_I - E_0$

