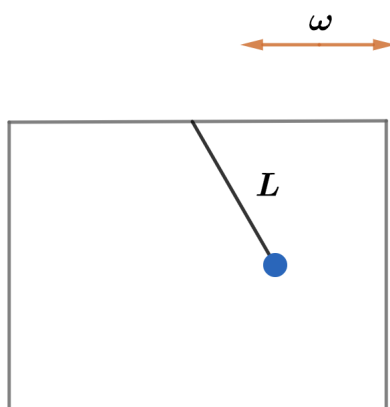


## 2020A F=ma Exam: Problem 5

Kevin S. Huang



The final amplitude is maximized when the box is shaken at the resonant frequency:

$$\omega = \sqrt{\frac{g}{L}}$$

so the answer is .