

Fig. 3: Final State

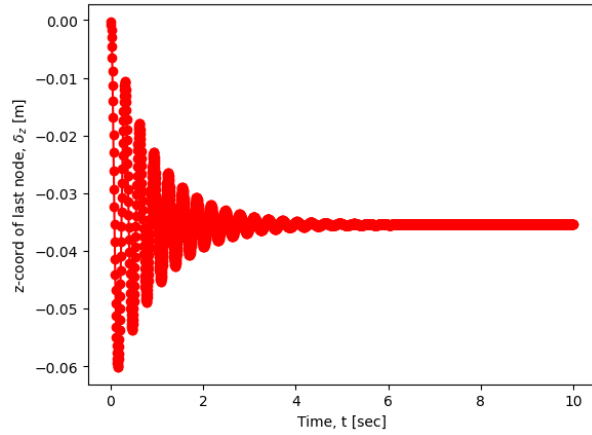


Fig. 4: Displacement Over Time

Discrete Plate Model:  $-0.035415$  m

Euler–Bernoulli Beam Theory:  $\delta_{EB} = \frac{ql^4}{8YI} = -0.03675$  m

Difference From Theory: 3.63%

Overall, the results of the simulation match very well with the Euler Beam Theory. They are likely to diverge more if the load is higher than this loading case.