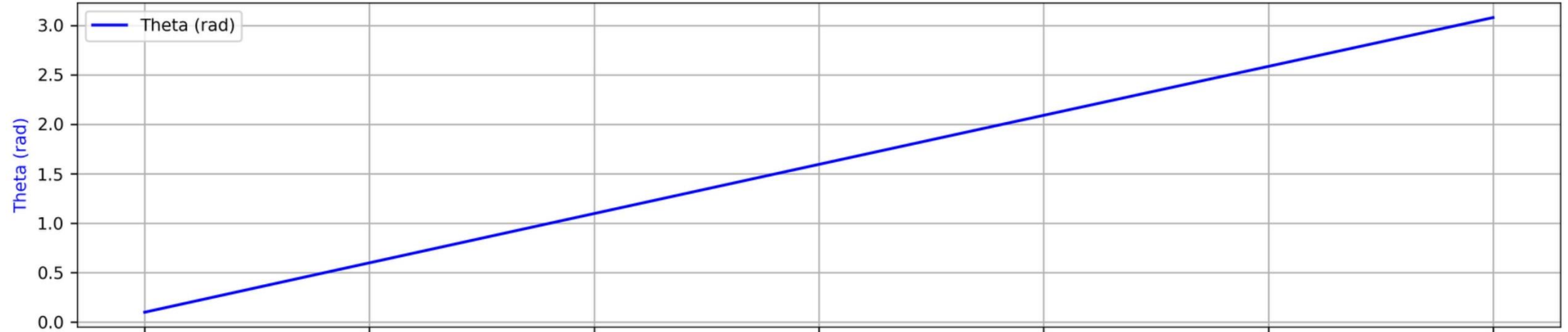
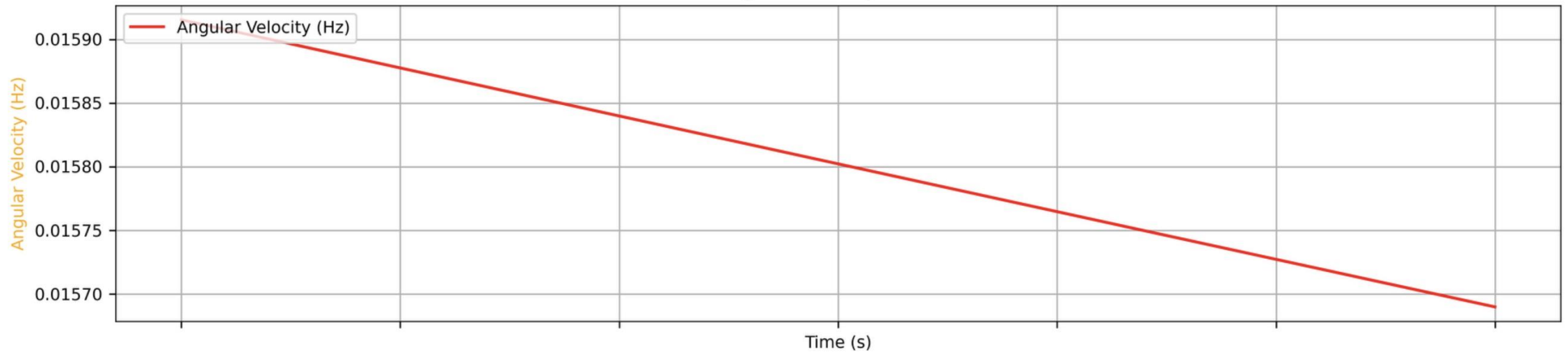


$$f = 0.15 * x$$

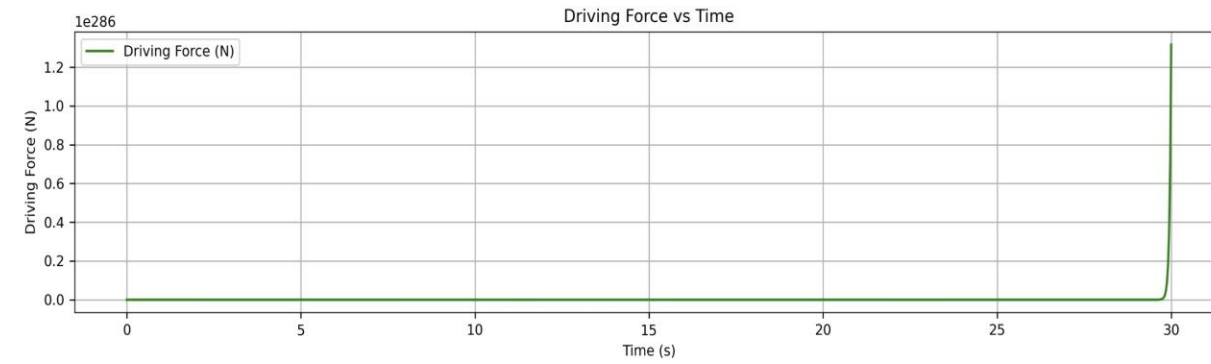
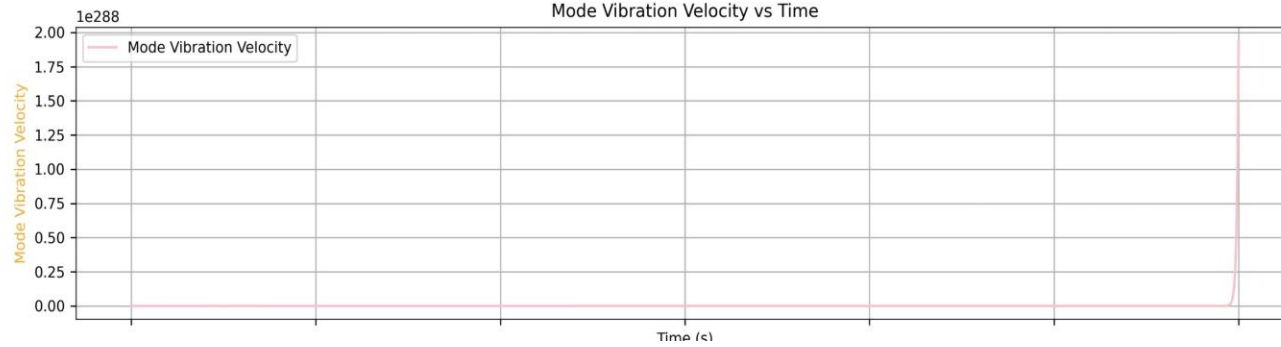
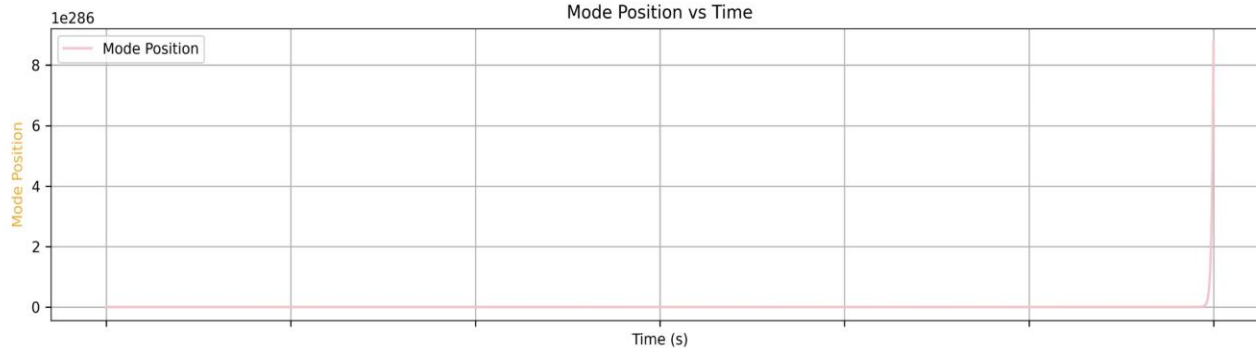
Theta vs Time



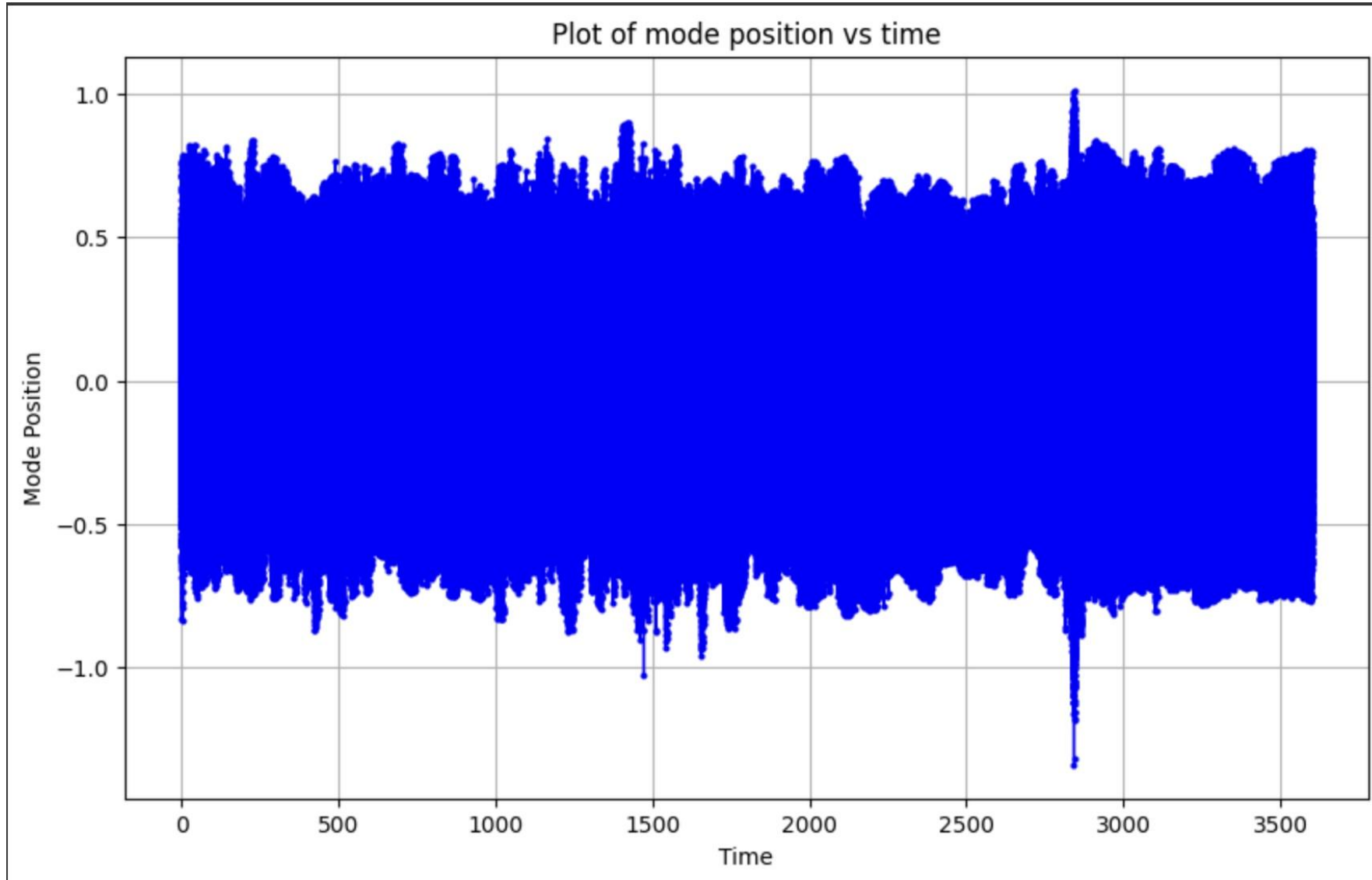
Angular Velocity vs Time



$$f = 0.15 * x$$

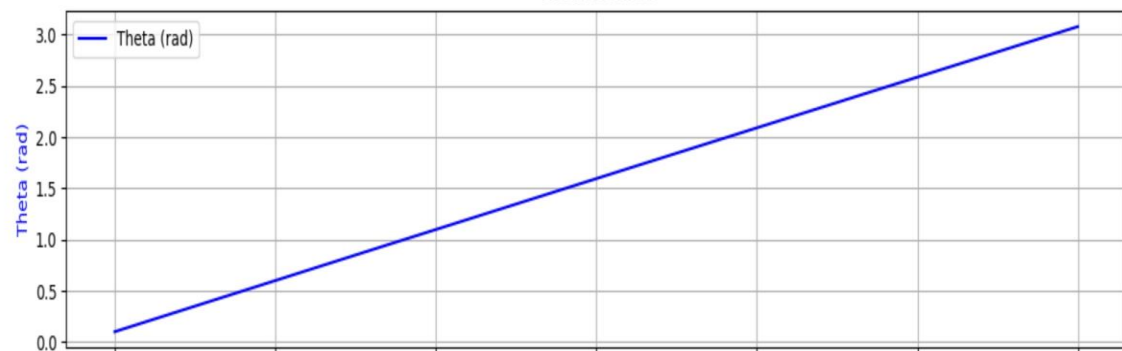


# Experimental Data Plot

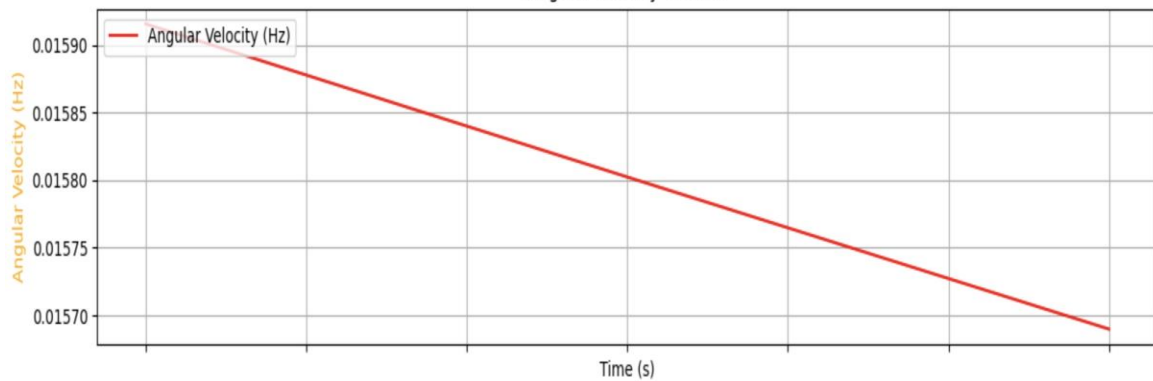


$$f = x^{**2}$$

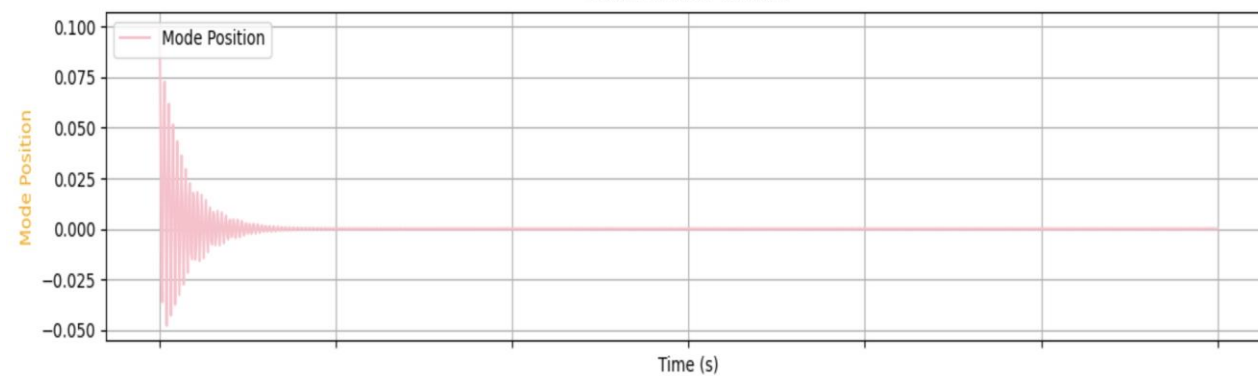
Theta vs Time



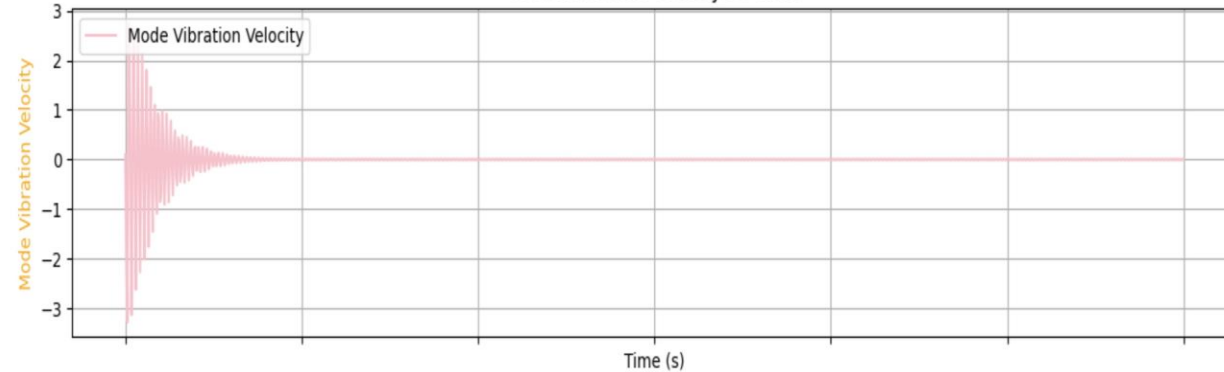
Angular Velocity vs Time



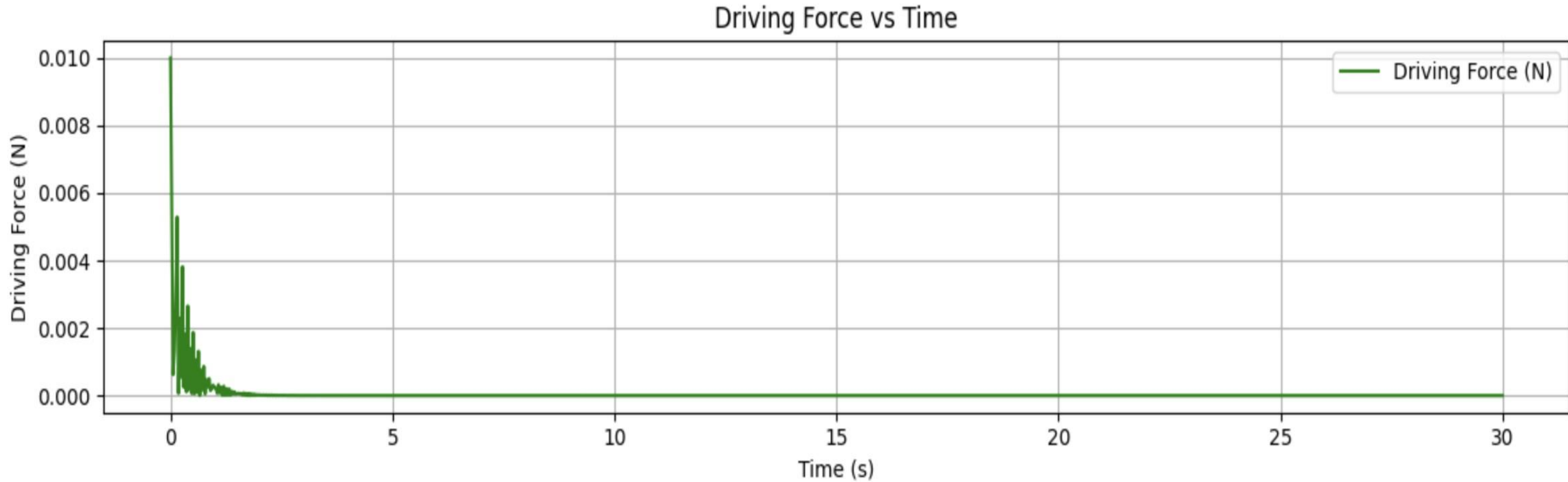
Mode Position vs Time

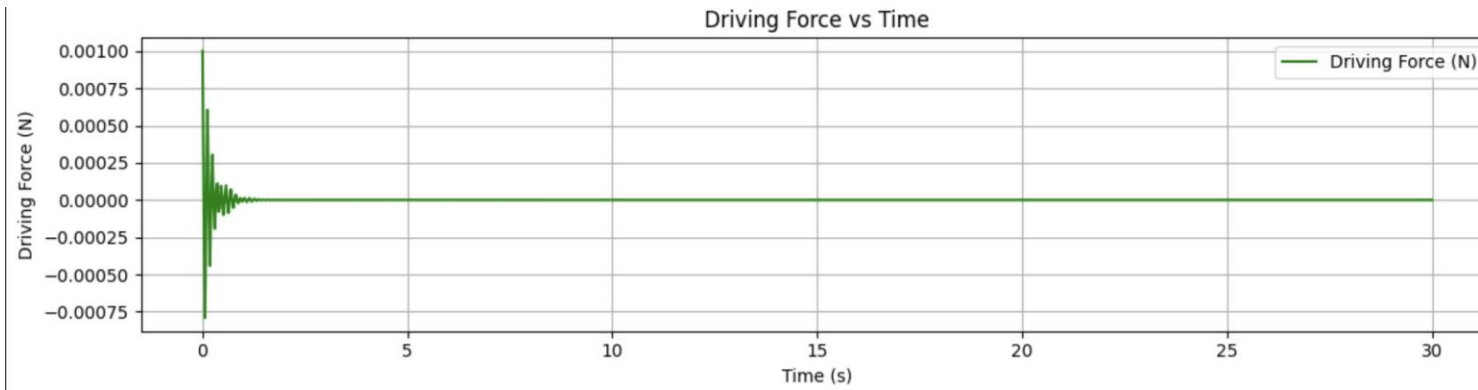
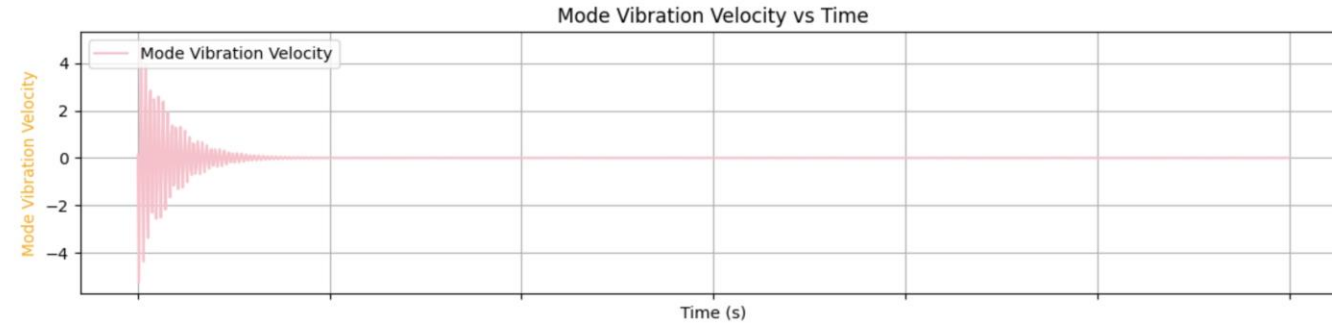


Mode Vibration Velocity vs Time



$$f = x^{**2}$$

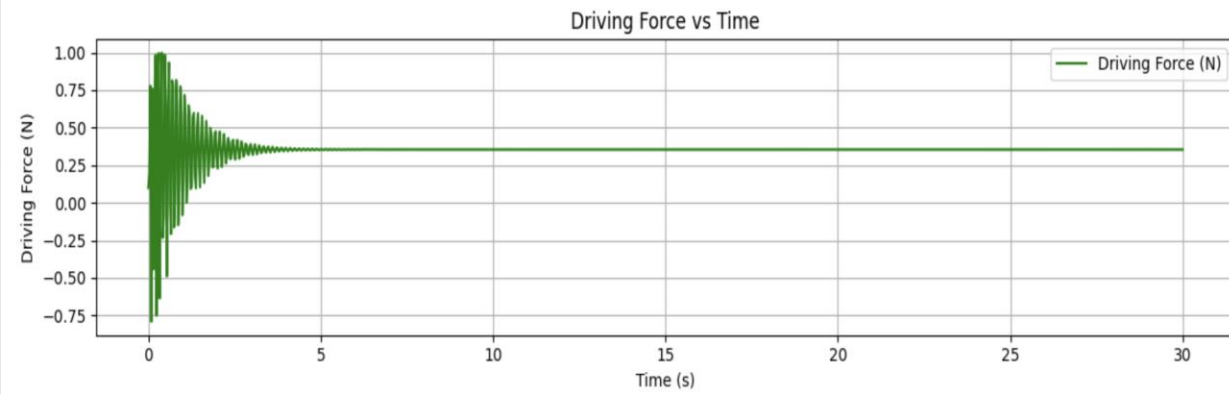
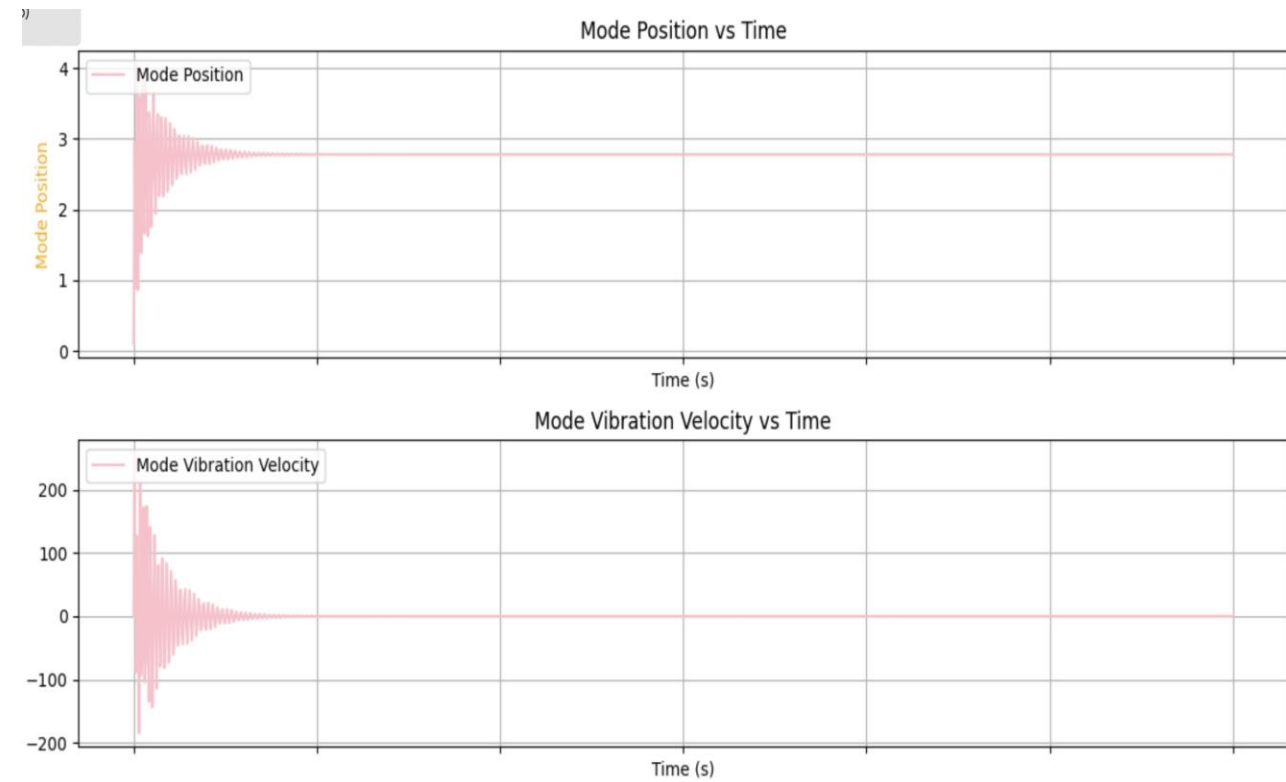




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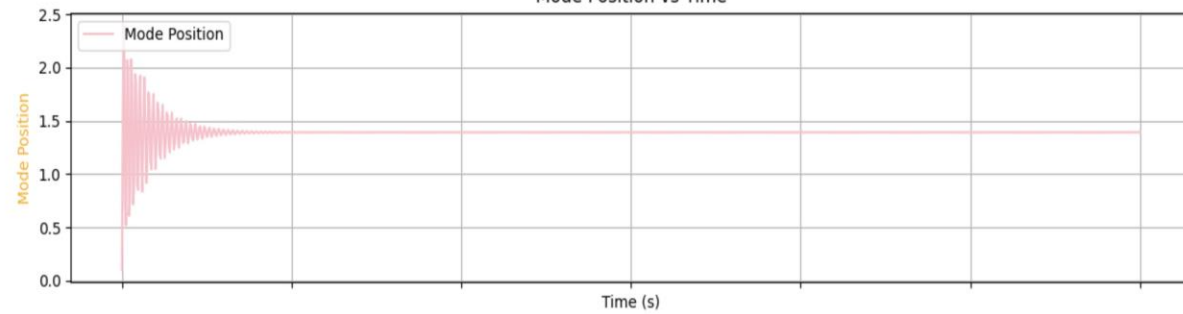
$$f = x^{**3}$$

$$f = \sin(x)$$



$$f = \cos(x)$$

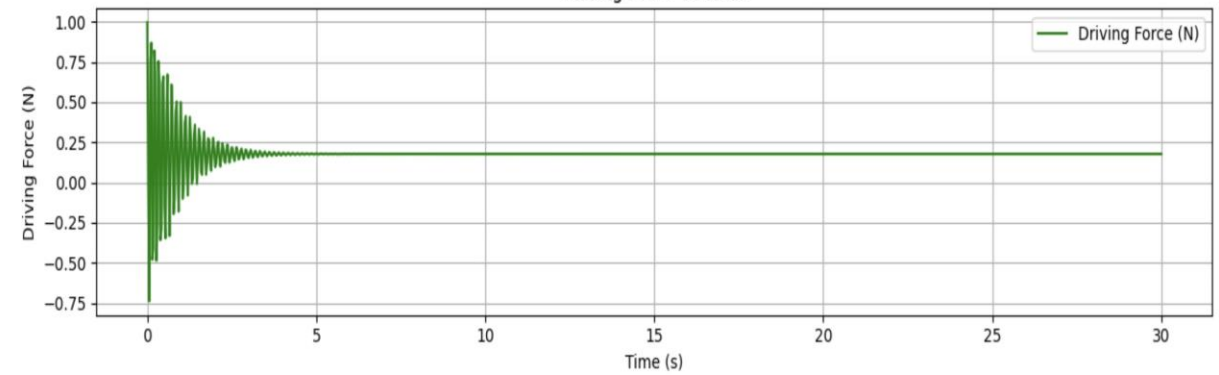
Mode Position vs Time



Mode Vibration Velocity vs Time

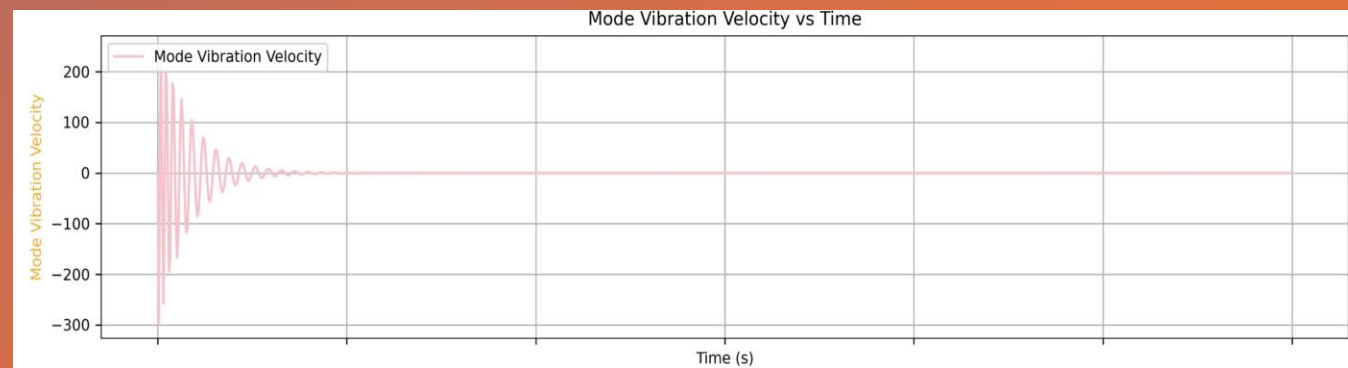
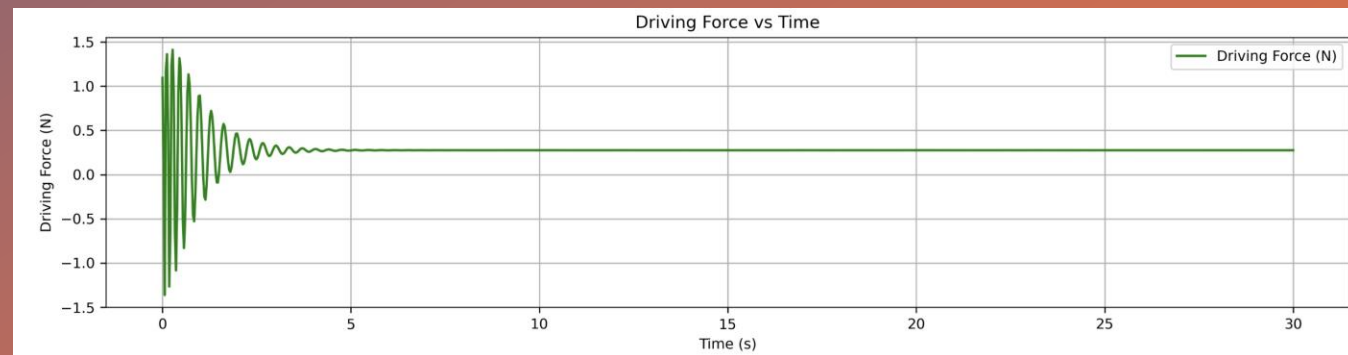


Driving Force vs Time

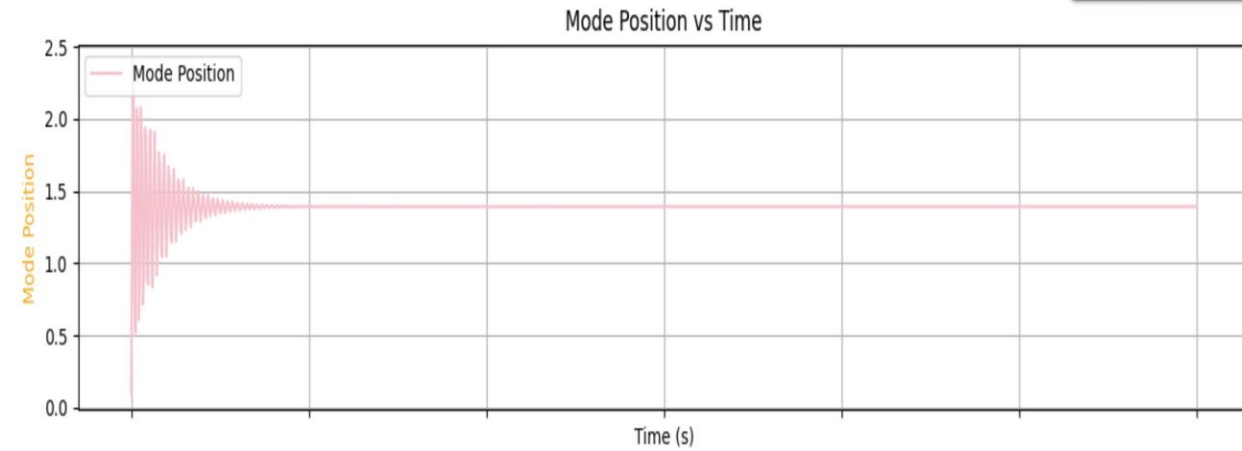
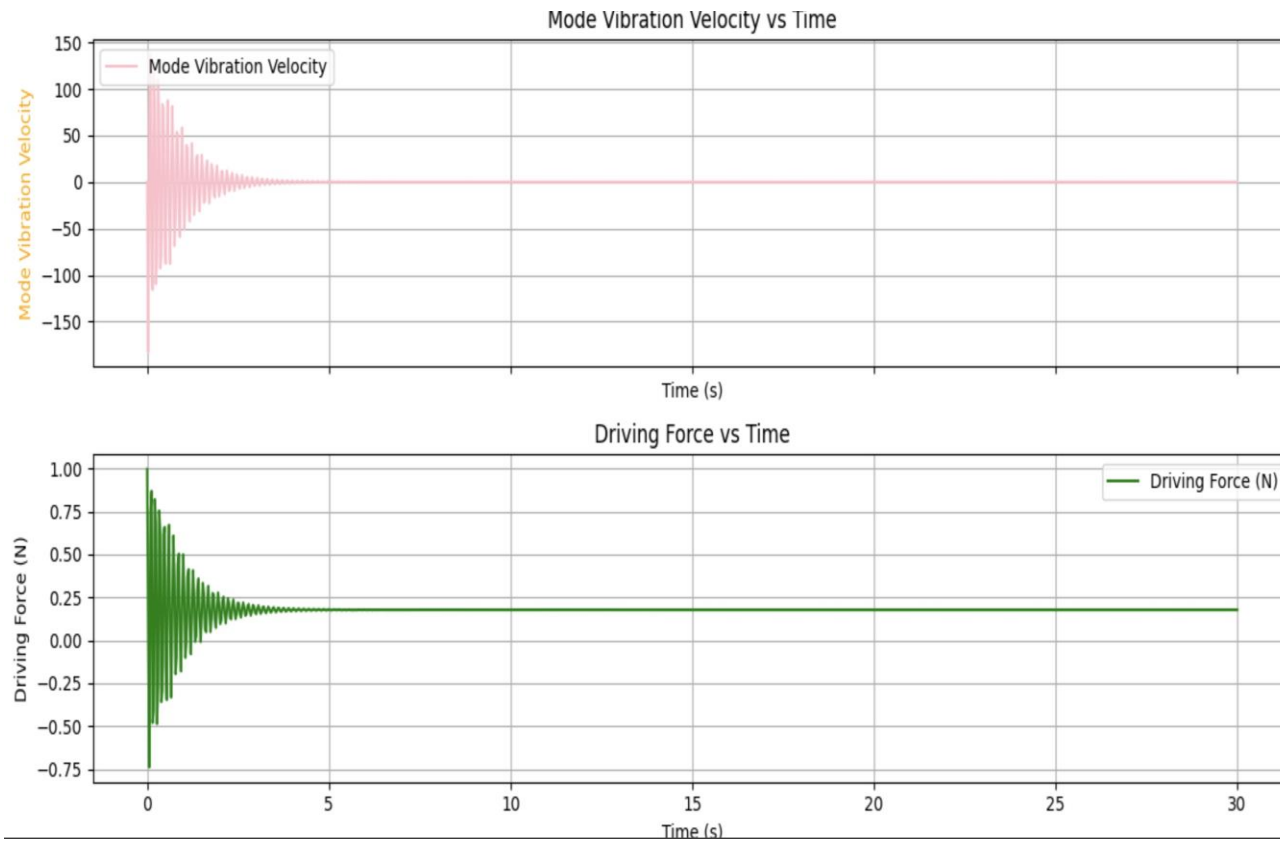




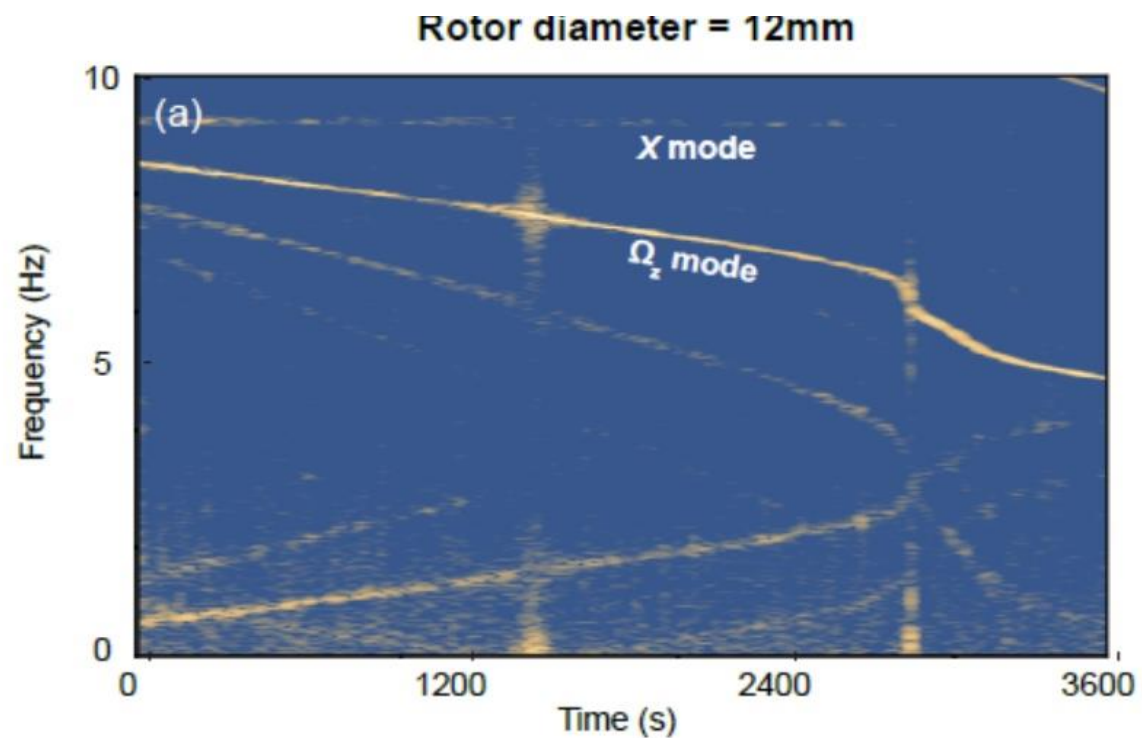
$$f = \sin(x) + \cos(x)$$



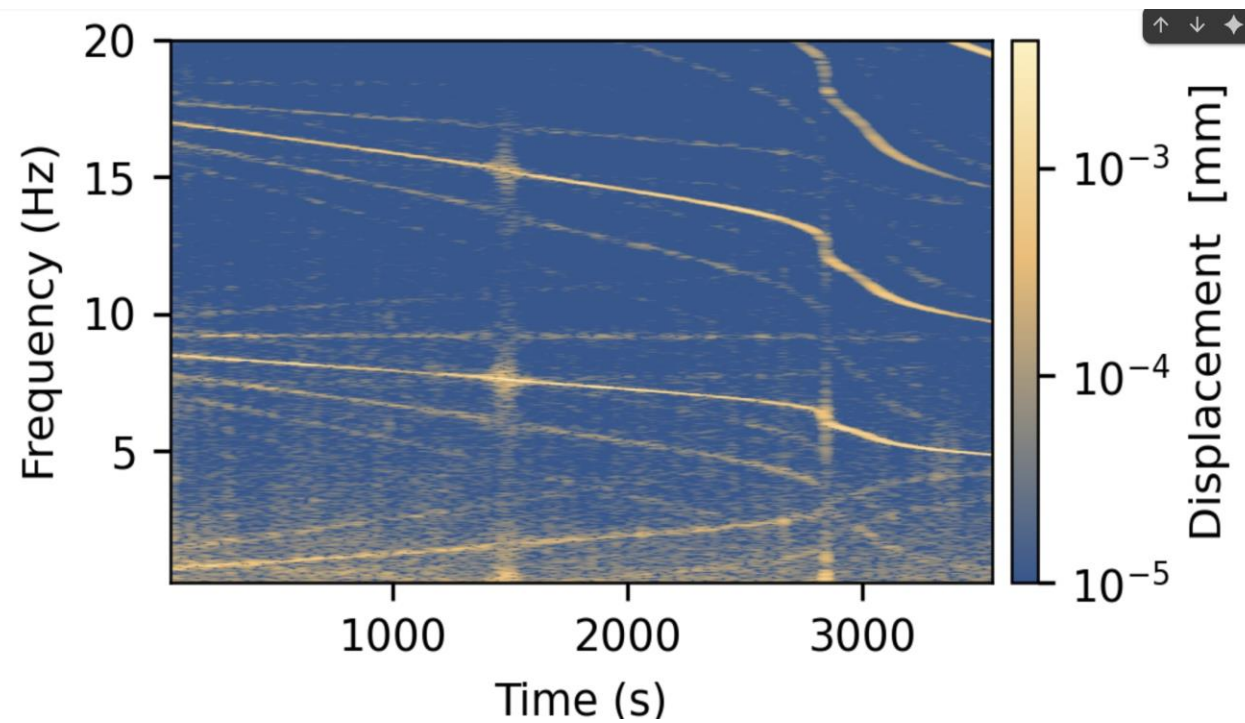
$$\text{total\_tau} = 2, f = \cos(x)$$



## COLLABORATORS' EXPERIMENT



## RUN FFT PYTHON SCRIPT



## UPDATE ON 2D NN PREDICTOR (OLD SYSTEM)

