



EXPERIMENT 8 DYNAMICS OF BANDRA WORLI SEA LIN BRIDGE

OBJECTIVES

This main objective of the simulation based experiment is to study the modes of vibration of a real-life cable-stayed bridge: *Bandra Worli Sea Link Bridge*.

METHODOLOGY

This simulation experiment is self-explanatory. Through finite element simulation in ANSYS, first ten mode shapes have been generated. The user can simply click on the link and visualize the mode shape animation and also note the corresponding natural frequency.

REFERENCES

1. NPTEL lectures on Structural Dynamics link:
https://www.youtube.com/watch?v=Jlzo8OzoZ_c&list=PL0463169721E0D76F