



VIRTUAL SMART STRUCTURES AND DYNAMICS LAB

EXPERIMENT 4 (SIMULATION)

DYNAMICS OF BANDRA WORLI SEA LINK BRIDGE

OBJECTIVE

This main objective of the simulation based experiment is to study the modes of vibration of a real-life 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.

REFERENCES

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