



VIRTUAL SMART STRUCTURES AND DYNAMICS LAB

Experiment 6

Shear lag effect (effect of bond in piezo electro-mechanical admittance signature)

PRE EXPERIMENT QUIZ QUESTIONS

- 1) What is shear lag effect?
- 2) How does thickness of bond layer affect strain transfer to/from the PZT patch to the structure?
- 3) How does the Young's Modulus of elasticity of bond layer affect strain transfer to/from the PZT patch to the structure?