

Test Protocol

Team Number _____

Team Members _____

Product: _____ **Version:** _____

Manufacturing Cost: _____ [min] Manufacturing Time (actual)
_____ [\$] Omax estimate

Structural Performance:

Load Case: F1: _____ F2: _____ F3: _____ [lbs]

Displacement 1 (fork): No load (zero) reading: _____ [Volts]

Measurements 1: _____ 2: _____ 3: _____ [Volts] Average _____ [Volts]

Calibration Factor: _____ [mm/Volts] Fixture Flexibility: _____ [mm]

$d_1 =$ _____ [Volts] * _____ [mm/Volts] + _____ [mm] = _____ [mm]

Displacement 2 (saddle): No Loads reading: _____ [Volts]

Measurements 1: _____ 2: _____ 3: _____ [Volts] Average _____ [Volts]

Calibration Factor: _____ [mm/Volts] Fixture Flexibility: _____ [mm]

$d_2 =$ _____ [Volts] * _____ [mm/Volts] + _____ [mm] = _____ [mm]

Natural Frequency Estimate: _____ [Hz] (Oscilloscope)

Mass: 1: _____ 2: _____ 3: _____ [grams] avg: _____ [grams]

Staff Signature _____