

AME 21216 – Tech Memo Score Sheet

A11 – Chaotic Double Pendulum

NDID#: _____

Lab Section (Day/time): _____

For more details on any of the items below, please refer to the lab handout.

Item and Description	Points Awarded	Possible Points
Technical writing and format – Please address all questions from the lab handout in the captions and paragraphs.		3
For the single pendulum, plot θ_1 vs. t for the three data sets (use “subplot()” in Matlab)		3
For the <i>double</i> pendulum, plot θ_1 vs. t for the three data sets (use “subplot()” in Matlab)		3
For the single pendulum, a phase space plot of the angular speed ω_1 as a function of the θ_1 for one the three data sets		3
For the <i>double</i> pendulum, a phase space plot of the angular speed ω_1 as a function of the θ_1 for one of the three data sets		3
Plot of accelerometer voltage V_{out} vs. pitch angle θ with the theoretical <i>trigonometric</i> curve that you derived		3
TOTAL		18