

EE 3921

Dr. Johnson

Homework 13

1 – Run the accelerometer example from class. Start the program and record the average value and approximate variation for each of the 3 axis, in 4 orientations - 80 pts

Flat on table

	average	variation
x	<input type="text"/>	<input type="text"/>
y	<input type="text"/>	<input type="text"/>
z	<input type="text"/>	<input type="text"/>

Standing on sw/sseg edge

	average	variation
x	<input type="text"/>	<input type="text"/>
y	<input type="text"/>	<input type="text"/>
z	<input type="text"/>	<input type="text"/>

Standing on VGA edge

	average	variation
x	<input type="text"/>	<input type="text"/>
y	<input type="text"/>	<input type="text"/>
z	<input type="text"/>	<input type="text"/>

Upside down on table

	average	variation
x	<input type="text"/>	<input type="text"/>
y	<input type="text"/>	<input type="text"/>
z	<input type="text"/>	<input type="text"/>

Interpret the numbers from the first orientation in terms of g (gravity on earth) - 20 pts