

Guidelines for Level 3: Slopes

EE180D, Fall 2013

Deadline: End of the day on Friday, November 1

States:

- Standing
- Walking on flat ground at speed 1
- Walking on flat ground at speed 2
- Walking up an incline at speed 1
- Walking up an incline at speed 2
- Walking down an incline at speed 1
- Walking down an incline at speed 2

Testing script:

- Stand, 15sec
- Walk on flat ground to approach a slope
- Walk up slope at speed 1
- Walk on flat ground after slope
- Stop and turn-around
- Walk on flat ground to approach a slope
- Walk down slope at speed 1
- Walk on flat ground after slope
- Stop and turn-around
- (repeat previous steps, but for speed 2)

Notes:

- If you cannot find a slope with flat portions before *and* after, you may adjust the testing script accordingly. Just let us know.
- Steeper slopes will probably be easier for classification, but try to see how “flat” a slope can be and still provide accurate classification. The “challenge factor” will be noted when we look at your results.
- If necessary, you can combine the two “walking on flat ground” states.