

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Electrical Engineering and Computer Science
6.01—Introduction to EECS I
Spring Semester, 2008
Software Lab 5 Addendum

Clarifications for Software Lab 5

- On page 2, the concrete example in **Making System Functions** should be that to make a new system function corresponding to the difference equation

$$9y[n] - 4y[n - 1] + 5y[n - 2] = 2x[n - 1] ,$$

we'd make the call

```
> sf = systemFunctionFromDifferenceEquation([9, -4, 5], [0, 2])
```

- You need to type

```
from SystemFunction import *
```

into the Python shell or any file from which you're using methods from the `SystemFunction` class.

- Just to help you understand whether/how your NIDAQ box is working, it's useful to know that after you plug it into your computer, it should blink twice; and after you start the NIDAQserver, it should blink continuously.
- When you are measuring distances, it might be useful to adjust the min and max ranges in the oscilloscope window.
- Note that in soar the length of a time step is more like 0.05 seconds. What does this mean about the range of gains that should result in stable behavior here?