



Module 8: MATLAB® Graphics: Part 2

M8 Exercise

Instructions

1. Create an m-file, named "example9p3p3_LastName.m", that has all the MATLAB® statements listed in section 9.3.3 of the textbook (page 218). However, modify it so that the markers of the decaying function are squares instead of circles and set the line width of the other sinusoid to 2 instead of 4.
2. Create an m-file, named "example9p7b_LastName.m", that has all the MATLAB® statements listed in at the bottom of page 229 and the top of page 230 in section 9.7 of the textbook. However, modify it by implementing the "prism" colormap (which, incidentally, should achieve a Dr. Suess look!) and set the position of the light to azimuth = 45 deg and elevation = 30 deg.
3. Start with the template file **langtonsant_template.m** and create the basic Langton's Ant animation.
Note: Use Matlab version 2014a or earlier for this exercise.
4. Please use the **Homework template (Word)** when submitting your work.

For this exercise, you should submit the following files in the M8 Exercise submission area:

1. example9p3p3_LastName.m
2. example9p7b_LastName.m
3. langtonsant_LastName.m

Note: Substitute your last name for LastName in all submitted files.

Please refer to the Course Schedule for due date.