

Perspective Lab: Instructions

When you're ready to submit your solution, go to the [assignments list](#).

In this assignment, you will be using linear algebra to remove the perspective from a photograph. Don't be intimidated by this lab. You might find it a bit hard to understand, but the actual tasks involved are not too hard.

You will again use the module `image_mat_util` that you used in the Geometry Lab. This time you will use a procedure `mat2display`, which displays a generalized image in your web browser, using vector graphics. Some browsers, especially older browsers, have trouble with this. In case you have trouble displaying the generalized image in your browser, we will describe in the Forum how you can tell the module which browser to use.

To complete this assignment, please carefully follow these instructions:

1. [Download this ZIP file](#)
2. Unzip the ZIP file, and copy all its files into your `matrix` directory.
3. Verify that all the files from the ZIP file (including `perspective.py` and `perspective.pdf` and `submit_perspective.py` and some others) are now directly in the `matrix` directory.
4. Detailed instructions are in the file `perspective.pdf`.
5. Some of the problems/tasks are *ungraded*. You don't submit solutions to these.
6. For each graded problem/task,
 - test out your solution in the Python REPL;
 - copy your solution into the stencil file `perspective.py`;
 - submit your solution by running (from a console, *not* from the Python REPL) the command `python3 submit_perspective.py` to submit. You will need a one-time password to submit this assignment. It's located [on this page](#).

You can use the submit command to submit as many problems as you like at one time.

Have fun!

