

## Homework 4a

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*Name*

As with all homework in this class, work on this alone. You can use your notes, books, and the internet.

1. Implement nearest-neighbor Bayer demosaicing for the image at `/usr/local/371/data/video/jedi/F0000.png`. To tell if your code is operating correctly, debug using the image `/usr/local/371/data/video/bayer/raw.png`, for which the correct result should look something like the `color.png` file in the same directory. Both are shown below for your reference.

Staple both your code and a **COLOR** printout of the result image to this handout. You can use the color printers in Jessup or in TCL303. The following web page may be useful in completing this assignment: <http://www.cambridgeincolour.com/tutorials/sensors.htm>



raw.png



color.png