

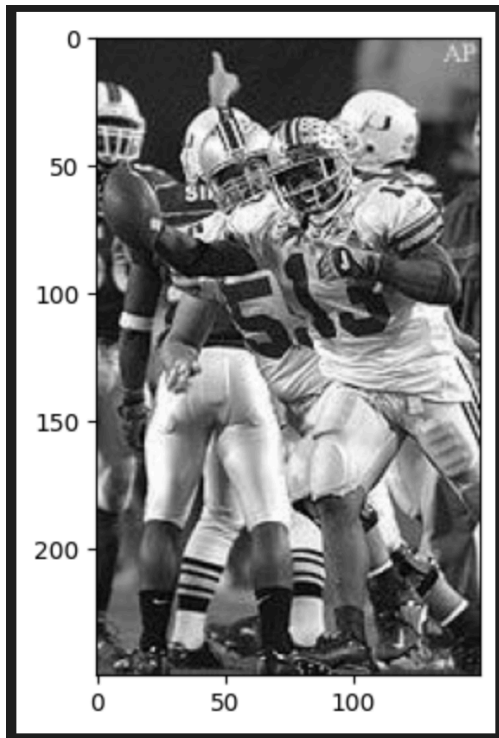
CSE 5524 – Homework #1

09/03/2025

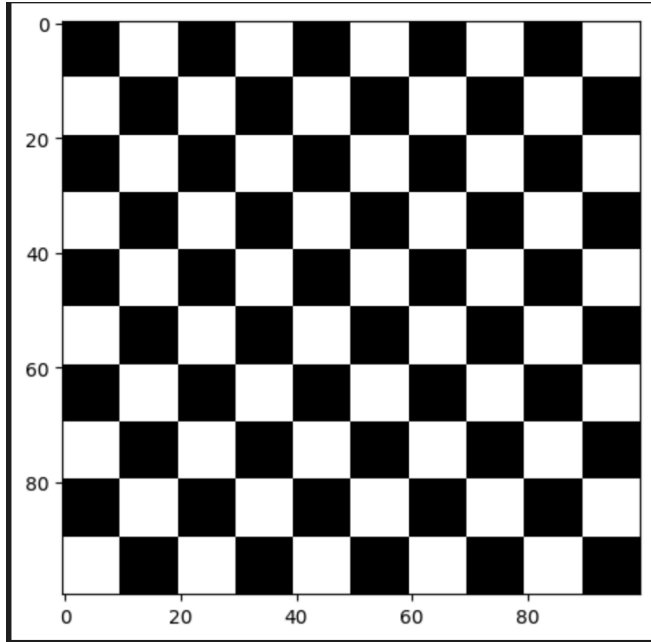
Aaron Dhillon

1) Test the MATLAB image functions to read, display, and write images. Use buckeyes_gray.bmp and buckeyes_rgb.bmp from the class materials webpage. [2 pts]

2) Read and convert the rgb image to grayscale using the NTSC conversion formula via the MATLAB function rgb2gray. Display your image to verify the result. [1 pt]



3) Test more fully by creating, writing, and reading a checker-board image. [2 pts]



4) Create a report (PDF desired) with all code, test images, printouts of images, and discussion of results. Make a HW1.m (or HW1.py) script to do the above tasks and