

Programming Assignment #6 Test Cases

If you are reading this, you should have opened a tar file containing 4 very small grayscale images (all 2 x 5) and this file, which gives you the correlation score between pairs of images for you to use in testing. Please note that these tests are not exhaustive and do not cover all edge cases or any error cases, so you still have to do testing yourself.

Note also that any image correlated with itself should give you a score of 1.0, and that correlation is symmetric so $\text{Corr}(A,B) = \text{Corr}(B,A)$ for all pairs of same size images A & B.

There are 4 small images in the tar file: up.pgm, down.pgm, halfup.pgm, alt.pgm. Here is a table of some of the correlation scores:

Image #1	Image#2	Correlation Score
up.pgm	down.pgm	-1.0
up.pgm	halfup.pgm	0.917329
down.pgm	halfup.pgm	-0.917329
up.pgm	alt.pgm	0.174078
halfup.pgm	alt.pgm	0.16641
down.pgm	alt.pgm	-0.174078