

Four matlab files are used

- hybrid_image_starter.m
- hybridImages.m
- align_images.m
- pyramids.m

To run the code, you need to open and run the hybrid_image_starter.m file.

The images used in the assignment are already in the code (clinteastwood.jpg, clinteastwood_monkey.jpg). To change them for other images (more images are available in the images folder), change the code at line 4 and 5 of hybrid_image_starter.m.

The sigma value for the filter (cutoff_low, cutoff_high) has been set at 8 for this example. To change it, change the values at line 21 and 22 of hybrid_image_starter.m.

You will need to select two points on each image for the alignment/resized and rotation (take points around the eyes).

You will need to select two points to crop the hybrid image.

The original images, the Fourier transform images, the hybrid images and the pyramids will all show up in separate figures.

The pyramids are done using the hybrid image and a level of 5.