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| --- | --- |
| **Critical Block** | **Elapsed Time** |
| Reading in Images | 0.159088 seconds |
| Image Resize | 0.134052 seconds |
| Displaying Original Images | 2.495655 seconds |
| Converting Images to Double | 0.002885 seconds |
| Images to Grayscale | 0.015694 seconds |
| Displaying Grayscale Images | 0.263186 seconds |
| Finding size of images | 0.000242 seconds |
| Initializing Rows and Cols | 0.000188 seconds |
| Taking FFT | 0.039679 seconds |
| Finding Magnitude | 0.003576 seconds |
| Finding Phase | 0.013051 seconds |
| Recomputing Frequency | 0.008191 seconds |
| Taking Inverse | 0.033244 seconds |
| Displaying Hybrid Images | 0.254677 seconds |

HW1\_Hybrid.m

HW1\_1\_a\_iii.m

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| --- | --- |
| **Critical Block** | **Elapsed Time** |
| Reading in Images | 0.024449 seconds |
| Displaying Original Images | 0.490118 seconds |
| Converting Images to Double | 0.003109 seconds |
| Images to Grayscale | 0.002685 seconds |
| Displaying Grayscale Images | 0.433551 seconds |
| FFT2 | 0.010948 seconds |
| FFTShift | 0.012342 seconds |
| Neutralizing Phase | 0.003293 seconds |
| Inverse IFFT2 | 0.019009 seconds |
| FFTShift | 0.001690 seconds |
| Calculating Plotting Limits | 0.002852 seconds |
| Displaying Phase Neutralized Images | 0.400440 seconds |