

The screenshot displays a MATLAB environment on a Windows desktop. The main window shows a script for image encryption using a notch filter. The script reads an image 'c1ownum', applies a notch filter, and shows the result. A Command Window shows the execution output. Two Figure windows are open: Figure 6 shows the original image, and Figure 7 shows the encrypted image, which appears as a dark, noisy version of the original. The desktop includes icons for Recycle Bin, SSH, SSH Util, and Google Chrome.

Figure 6

File Edit View Insert Tools Desktop Window Help

Figure 7

File Edit View Insert Tools Desktop Window Help

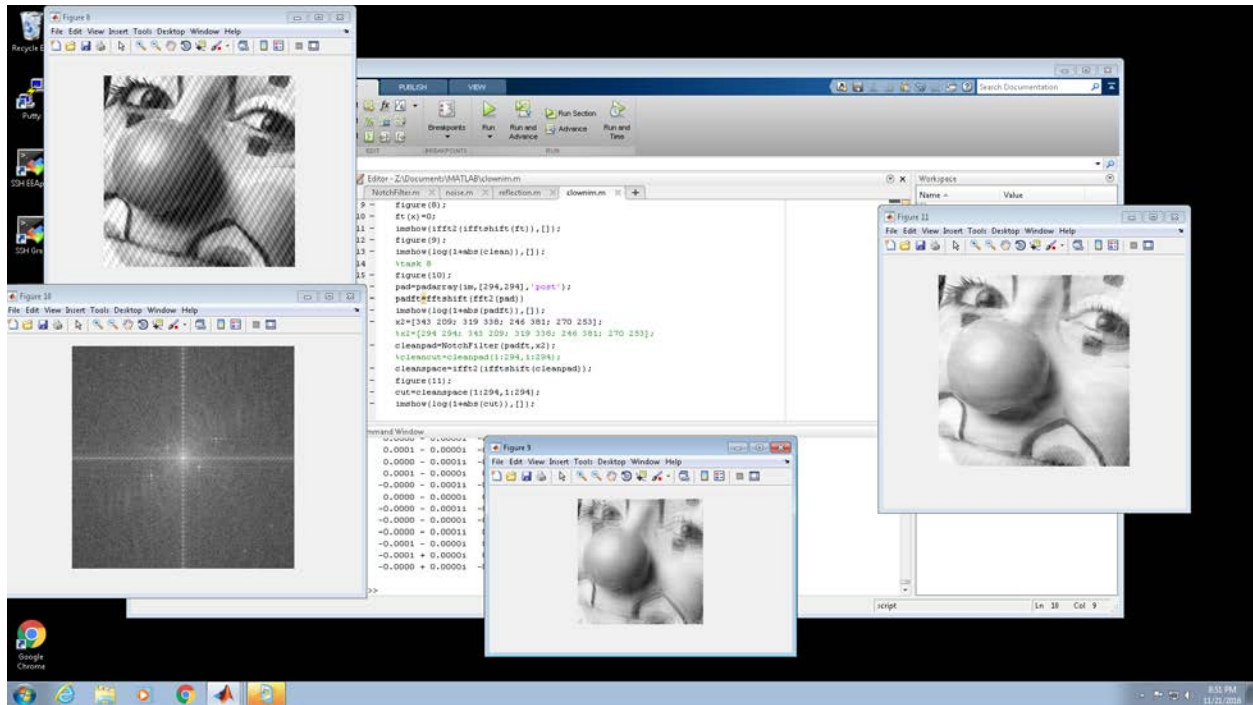
Command Window

```

>>
0.0001 - 0.0000i
0.0000 - 0.0001i
-0.0001 - 0.0000i
-0.0000 - 0.0001i
0.0000 - 0.0000i
-0.0000 - 0.0001i
-0.0000 - 0.0000i
-0.0000 - 0.0001i
-0.0001 - 0.0000i
-0.0001 + 0.0000i
-0.0000 + 0.0000i

```

Task 7, the image is far from totally clean, even after using the notch filter. The top right graph is the time domain graph of the notchfiltered clown image, and the graph on the bottom is the notchfiltered frequency domain of the clown image. The top left is the original clown image.



Task 8, The top right image is the original clown. the bottom image is the space domain representation of the notchfiltered then transformed back clown image. The bottom right image is the space domain representation of the padded, then notchfiltered then cut then transformed back clown image. The bottom left is the frequency domain representation of the transformed padded image