ECE 637 Lab1 Report

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Section 3 Report:

1.

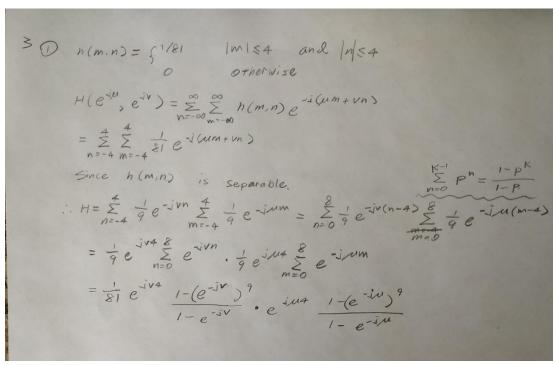


Figure 1. A derivation of the analytical expression for H

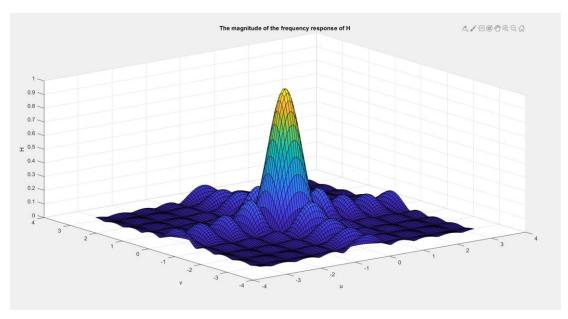


Figure 2. A plot of |H|



Figure 3. img03.tif



Figure 5. green.tif

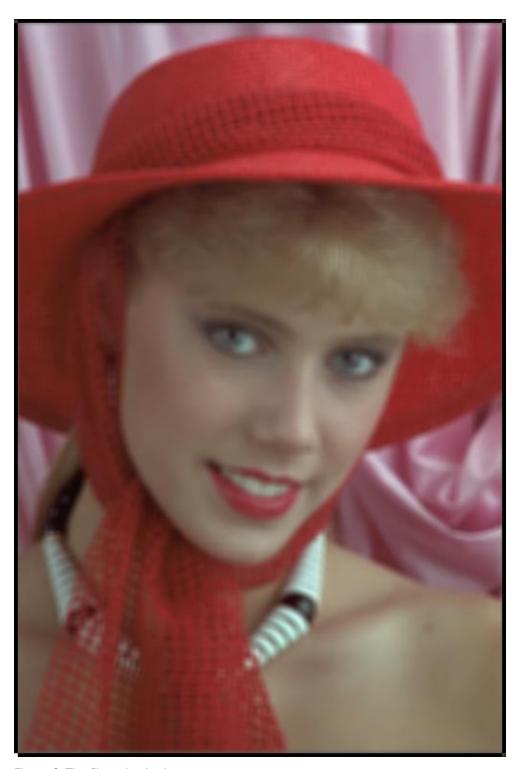


Figure 6. The filtered color image

Section 4 Report:

1. & 2.

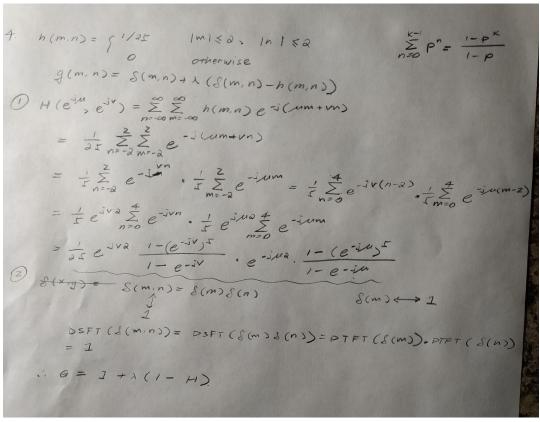


Figure 7. A derivation of the analytical expression for H & G

3.

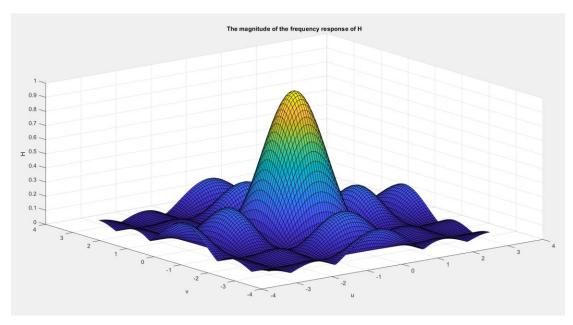


Figure 8. A plot of |H|

4.

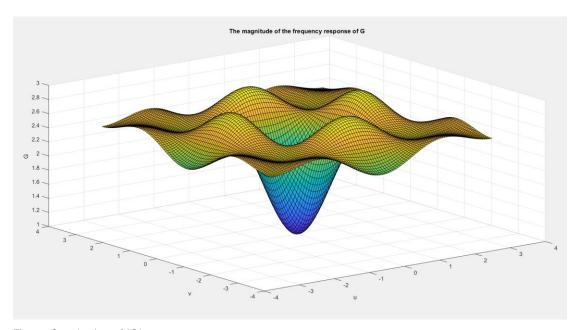


Figure 9. A plot of |G|



Figure 10. imgblur.tif.



Figure 11. The output sharpened color image for λ = 1.5

5. IIR Filter

1.

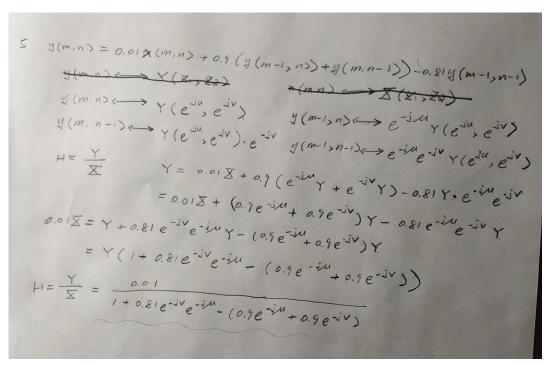


Figure 12. A derivation of the analytical expression for H

2.

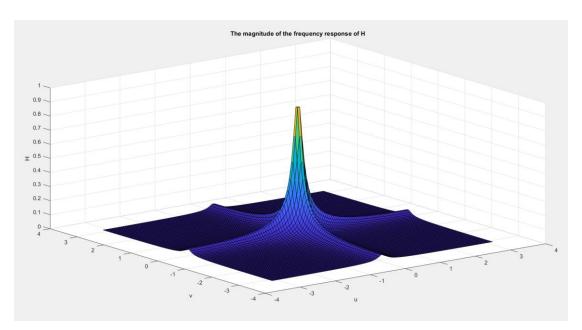


Figure 13. A plot of |H|

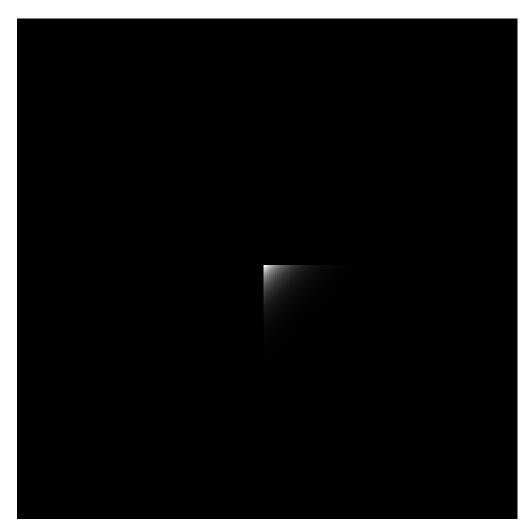


Figure 14. An image of the point spread function



Figure 15. The filtered output color image.