Computer Vision — Homework 10

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1 Laplace Mask 1

$$0 \quad 1 \quad 0$$

$$Kernel = 1 \quad -4 \quad 1 \text{ , and Threshold} = 15$$

$$0 \quad 1 \quad 0$$



Figure 1: Laplace Mask 1

2 Laplace Mask 2

Kernel =
$$\frac{1}{3}$$
 $\frac{1}{3}$ $\frac{1}{3}$, and Threshold = 15 $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$



Figure 2: Laplace Mask 2

3 Minimum variance Laplacian



Figure 3: Minimum variance Laplacian

4 Laplace of Gaussian



Figure 4: Laplace of Gaussian

5 Difference of Gaussian



Figure 5: Difference of Gaussian