## Announcements

Project 0 due tomorrow night











































| Summary  |
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| Summary Things to take away from this lecture  • What is an edge and where does it come from • Edge detection by differentiation • Image gradients • continuous and discrete • filters (e.g., Sobel operator) • Effects of noise on gradients • Derivative theorem of convolution • Derivative theorem of convolution • Derivative of Gaussian (DoG) operator • Laplacian operator • Laplacian of Gaussian (LoG) • Canny edge detector (basic idea) • Effects of varying sigma parameter |
| Approximating an LoG by subtraction  |