Helmholtz of Gaussian

**Development of Helmholtz of Gaussian Kernel for Edge Detection**

MATLAB CODES:

#Matlab Implementation of 2D Laplacian of Gaussian : LoG\_2D.m

#Matlab Implementation of 2D Helmholtz of Gaussian : HoG2D.m

#Matlab Implementation for testing the performance : Test\_prog.m

of HoG and LoG on the image IM1.tif

#Matlab Implementation for testing the performance : Test\_prog\_noise.m (requires the package [YkImageTools](http://www.google.com/url?q=http%3A%2F%2Fwww.cns.atr.jp%2F~kmtn%2FimageMatlab%2FYkImageTools.tar.gz&sa=D&sntz=1&usg=AFQjCNGm4fTR0VTw0zpaF13uTtT-ks5SNQ))

of HoG and LoG in the presence of speckle noise

Support Document : [Support\_document](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxzZXJjbWlnfGd4OjcxOWIyZTI5NGJkYTBhNjI)