Morphological Filtering

Dilate, erode, reconstruct, and perform other morphological operations

**Functions**

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| [bwhitmiss](http://www.mathworks.in/help/images/ref/bwhitmiss.html) | Binary hit-miss operation |
| [bwmorph](http://www.mathworks.in/help/images/ref/bwmorph.html) | Morphological operations on binary images |
| [bwulterode](http://www.mathworks.in/help/images/ref/bwulterode.html) | Ultimate erosion |
| [bwareaopen](http://www.mathworks.in/help/images/ref/bwareaopen.html) | Remove small objects from binary image |
| [imbothat](http://www.mathworks.in/help/images/ref/imbothat.html) | Bottom-hat filtering |
| [imclearborder](http://www.mathworks.in/help/images/ref/imclearborder.html) | Suppress light structures connected to image border |
| [imclose](http://www.mathworks.in/help/images/ref/imclose.html) | Morphologically close image |
| [imdilate](http://www.mathworks.in/help/images/ref/imdilate.html) | Dilate image |
| [imerode](http://www.mathworks.in/help/images/ref/imerode.html) | Erode image |
| [imextendedmax](http://www.mathworks.in/help/images/ref/imextendedmax.html) | Extended-maxima transform |
| [imextendedmin](http://www.mathworks.in/help/images/ref/imextendedmin.html) | Extended-minima transform |
| [imfill](http://www.mathworks.in/help/images/ref/imfill.html) | Fill image regions and holes |
| [imhmax](http://www.mathworks.in/help/images/ref/imhmax.html) | H-maxima transform |
| [imhmin](http://www.mathworks.in/help/images/ref/imhmin.html) | H-minima transform |
| [imimposemin](http://www.mathworks.in/help/images/ref/imimposemin.html) | Impose minima |
| [imopen](http://www.mathworks.in/help/images/ref/imopen.html) | Morphologically open image |
| [imreconstruct](http://www.mathworks.in/help/images/ref/imreconstruct.html) | Morphological reconstruction |
| [imregionalmax](http://www.mathworks.in/help/images/ref/imregionalmax.html) | Regional maxima |
| [imregionalmin](http://www.mathworks.in/help/images/ref/imregionalmin.html) | Regional minima |
| [imtophat](http://www.mathworks.in/help/images/ref/imtophat.html) | Top-hat filtering |
| [watershed](http://www.mathworks.in/help/images/ref/watershed.html) | Watershed transform |
| [conndef](http://www.mathworks.in/help/images/ref/conndef.html) | Create connectivity array |
| [iptcheckconn](http://www.mathworks.in/help/images/ref/iptcheckconn.html) | Check validity of connectivity argument |

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| [applylut](http://www.mathworks.in/help/images/ref/applylut.html) | Neighborhood operations on binary images using lookup tables |
| [bwlookup](http://www.mathworks.in/help/images/ref/bwlookup.html) | Nonlinear filtering using lookup tables |
| [makelut](http://www.mathworks.in/help/images/ref/makelut.html) | Create lookup table for use with bwlookup |
| [strel](http://www.mathworks.in/help/images/ref/strel.html) | Create morphological structuring element (STREL) |
| [getheight](http://www.mathworks.in/help/images/ref/getheight.html) | Height of structuring element |
| [getneighbors](http://www.mathworks.in/help/images/ref/getneighbors.html) | Structuring element neighbor locations and heights |
| [getnhood](http://www.mathworks.in/help/images/ref/getnhood.html) | Structuring element neighborhood |
| [getsequence](http://www.mathworks.in/help/images/ref/getsequence.html) | Sequence of decomposed structuring elements |
| [isflat](http://www.mathworks.in/help/images/ref/isflat.html) | True for flat structuring element |
| [reflect](http://www.mathworks.in/help/images/ref/reflect.html) | Reflect structuring element |
| [translate](http://www.mathworks.in/help/images/ref/translate.html) | Translate structuring element (STREL) |