Texture Analysis

Entropy, range, and standard deviation filtering; create gray-level co-occurrence matrix

**Functions**

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| [entropy](http://www.mathworks.in/help/images/ref/entropy.html) | Entropy of grayscale image |
| [entropyfilt](http://www.mathworks.in/help/images/ref/entropyfilt.html) | Local entropy of grayscale image |
| [rangefilt](http://www.mathworks.in/help/images/ref/rangefilt.html) | Local range of image |
| [stdfilt](http://www.mathworks.in/help/images/ref/stdfilt.html) | Local standard deviation of image |
| [graycomatrix](http://www.mathworks.in/help/images/ref/graycomatrix.html) | Create gray-level co-occurrence matrix from image |
| [graycoprops](http://www.mathworks.in/help/images/ref/graycoprops.html) | Properties of gray-level co-occurrence matrix |

**Examples and How To**

* [Using Texture Filter Functions](http://www.mathworks.in/help/images/analyzing-the-texture-of-an-image.html#f11-29605)
* [Derive Statistics from a GLCM and Plot Correlation](http://www.mathworks.in/help/images/analyzing-the-texture-of-an-image.html#f11-33707)

**Concepts**

* [Analyzing the Texture of an Image](http://www.mathworks.in/help/images/analyzing-the-texture-of-an-image.html)
* [Understanding Texture Analysis](http://www.mathworks.in/help/images/analyzing-the-texture-of-an-image.html#brcpulj)
* [Gray-Level Co-Occurrence Matrix (GLCM)](http://www.mathworks.in/help/images/analyzing-the-texture-of-an-image.html#f11-29651)