# patial Referencing

Associate spatial information with an image, use this information in image processing operations

## Start Here

## Functions

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| --- | --- |
| [imwarp](http://www.mathworks.in/help/images/ref/imwarp.html) | Apply geometric transformation to image |
| [imregister](http://www.mathworks.in/help/images/ref/imregister.html) | Intensity-based image registration |
| [imregtform](http://www.mathworks.in/help/images/ref/imregtform.html) | Estimate geometric transformation that aligns two 2-D or 3-D images |
| [imshow](http://www.mathworks.in/help/images/ref/imshow.html) | Display image |
| [imshowpair](http://www.mathworks.in/help/images/ref/imshowpair.html) | Compare differences between images |
| [imfuse](http://www.mathworks.in/help/images/ref/imfuse.html) | Composite of two images |

## Classes

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| --- | --- |
| [imref2d](http://www.mathworks.in/help/images/ref/imref2dclass.html) | Reference 2-D image to world coordinates |
| [imref3d](http://www.mathworks.in/help/images/ref/imref3dclass.html) | Reference 3-D image to world coordinates |

## Examples and How To

* [Register an Image Using Spatial Referencing Objects to Enhance the Display](http://www.mathworks.in/help/images/example-performing-image-registration.html)

## Concepts

* [Expressing Image Locations](http://www.mathworks.in/help/images/image-coordinate-systems.html)