

Anona Labs IPT for O-Matrix ver 1.5 - Release Notes

1. New functions

- 1.1. Color bit-depth reduction using various dithering methods (ImDither).
- 1.2. Construction of RGB image from Bayer pattern (Demosaic).
- 1.3. Automatic histogram-based threshold using Otsu or Maximum Entropy methods (HistThreshold).
- 1.4. Hysteresis threshold (ImThreshold).
- 1.5. 2d Sum-of-Absolute difference (SAD2).
- 1.6. 2d convolution (conv2).
- 1.7. Image gradient (ImGradient).
- 1.8. 2d Discrete Wavelet Transform (DWT2,iDWT2).
- 1.9. Hamming and Bartlett 2d Windowing (Windowing).

2. Modified functions

- 2.1. ImRotate, ImAffine, ImPerspective – new property, 'ROI' allows rendering in a specific region.
- 2.2. ImHist – it is now possible to specify the bin location.
- 2.3. RasterPoly – region size is now one argument [height,width] instead to two separate arguments.

3. Bug fixes

- 3.1. ImPerspective, ImAffine – transformation parameters are now applied correctly, in accordance with the manual.
- 3.2. GammaFwd, Gammalnv – improved accuracy.
- 3.3. CIE color transformation (Lab, Luv) – White point values are now {0.950455,1.0,1.088753} instead of {0.9504 ,1.0,1.0889}.
- 3.4. BwHitMiss – image borders are treated correctly now.