(a) image of eye | **(b)** histogram of eye image

An Image and its Histogram

(a) brighter eye | **(b)** histogram of brighter eye

Brightening an Image

(a) logarithmic | **(b)** exponential

Applying Exponential and Logarithmic Point Operators

(a) intensity normalised eye | **(b)** histogram of intensity normalised eye

(c) histogram equalised eye | **(d)** histogram of histogram equalised eye

Illustrating Intensity Normalisation and Histogram Equalisation

Thresholding the Eye Image

Original Image | New Image

Template Convolution Process

w_0	w_1	w_2
w_3	w_4	w_5
w_6	w_7	w_8

3×3 **Template and Weighting Coefficients**

Applying Direct Averaging

(a) 5×5 | **(b)** 7×7 | **(c)** 9×9

Illustrating the Effect of Window Size

Gaussian_template$(19, 4)$

Gaussian Function

(a) mean | **(b)** Gaussian average | **(c)** median | **(d)** truncated median

Comparison of Filtering Operators