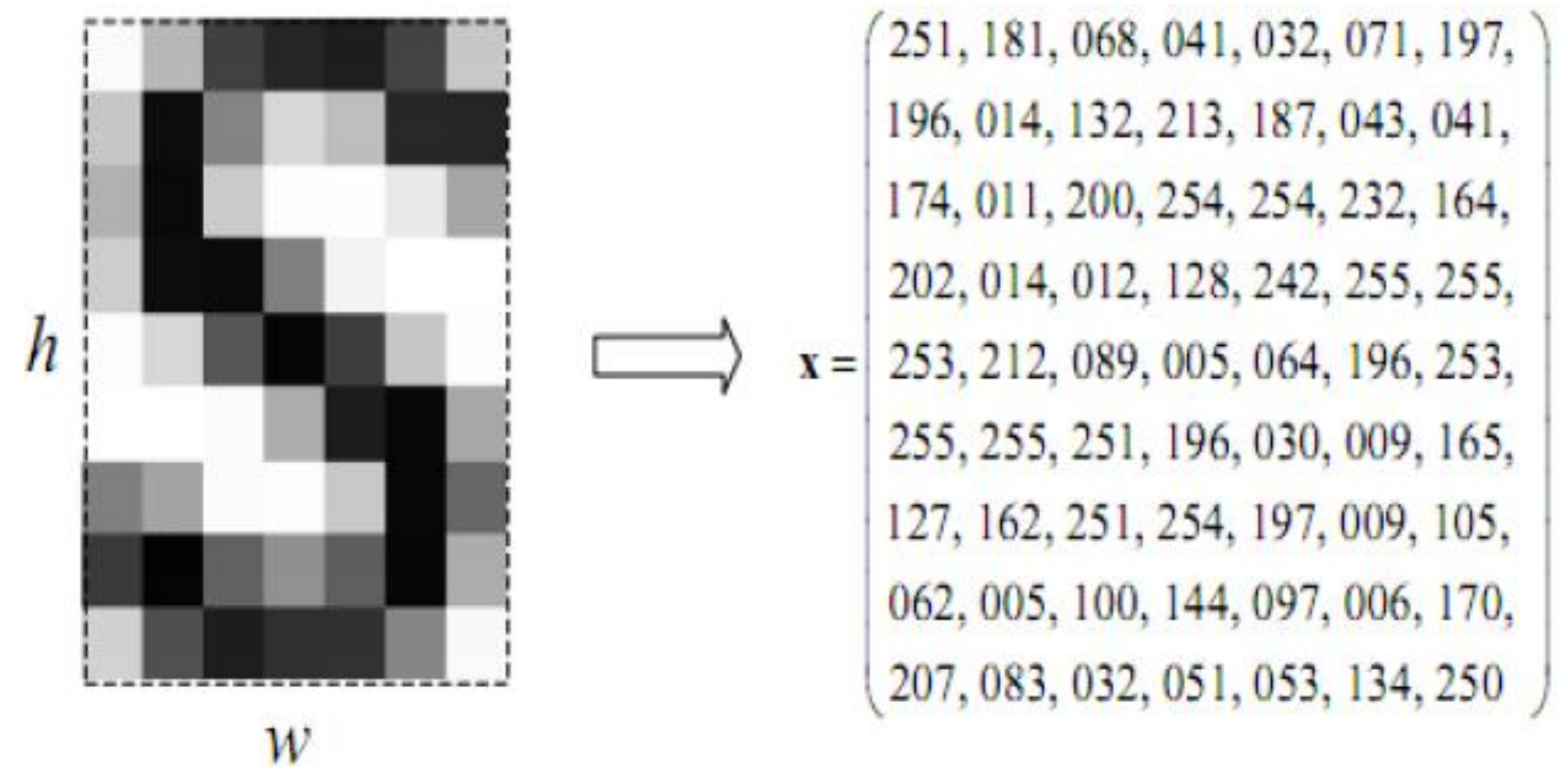


Image data

Representing greyscale images

- Greyscale images can be represented as a 2-dimensional array of pixel (ie. light) intensity

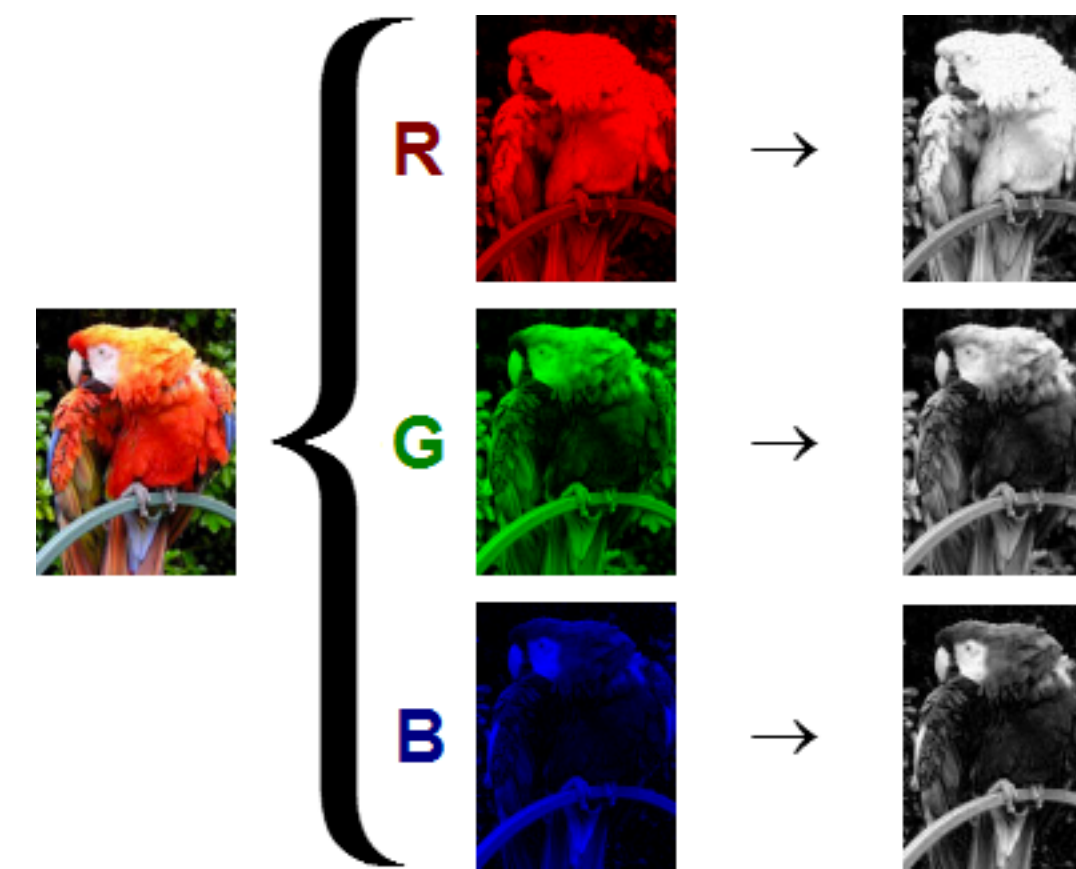


https://www.researchgate.net/figure/The-pixel-matrix-feature-extraction-method_fig2_284003940

Image data

Representing coloured images

- Similarly, coloured images can be represented by decomposing the Red/Green/Blue light intensity
- Extract the RGB channel light intensity as three individual 2-dimensional array
- Concatenate the three arrays into a 3D dimensional array, with the third dimension representing the RGB channels



https://upload.wikimedia.org/wikipedia/commons/5/56/RGB_channels_separation.png