

Dr Michael Scott

1 This algorithm converts an image into a greyscale version

```
Algorithm 1 GreyscaleRequire:an image, image, with N channels, c0 \le c_{0...N} \le 2551: procedure GREYSCALE(image)2: for x = 0, width, y = 0, height do3: c \leftarrow \text{pixel}(x, y)4: c_{0...N} \leftarrow \frac{\sum_{i=0}^{N} c_i}{N}5: pixel(x, y) \leftarrow c6: end for7: end procedure
```