

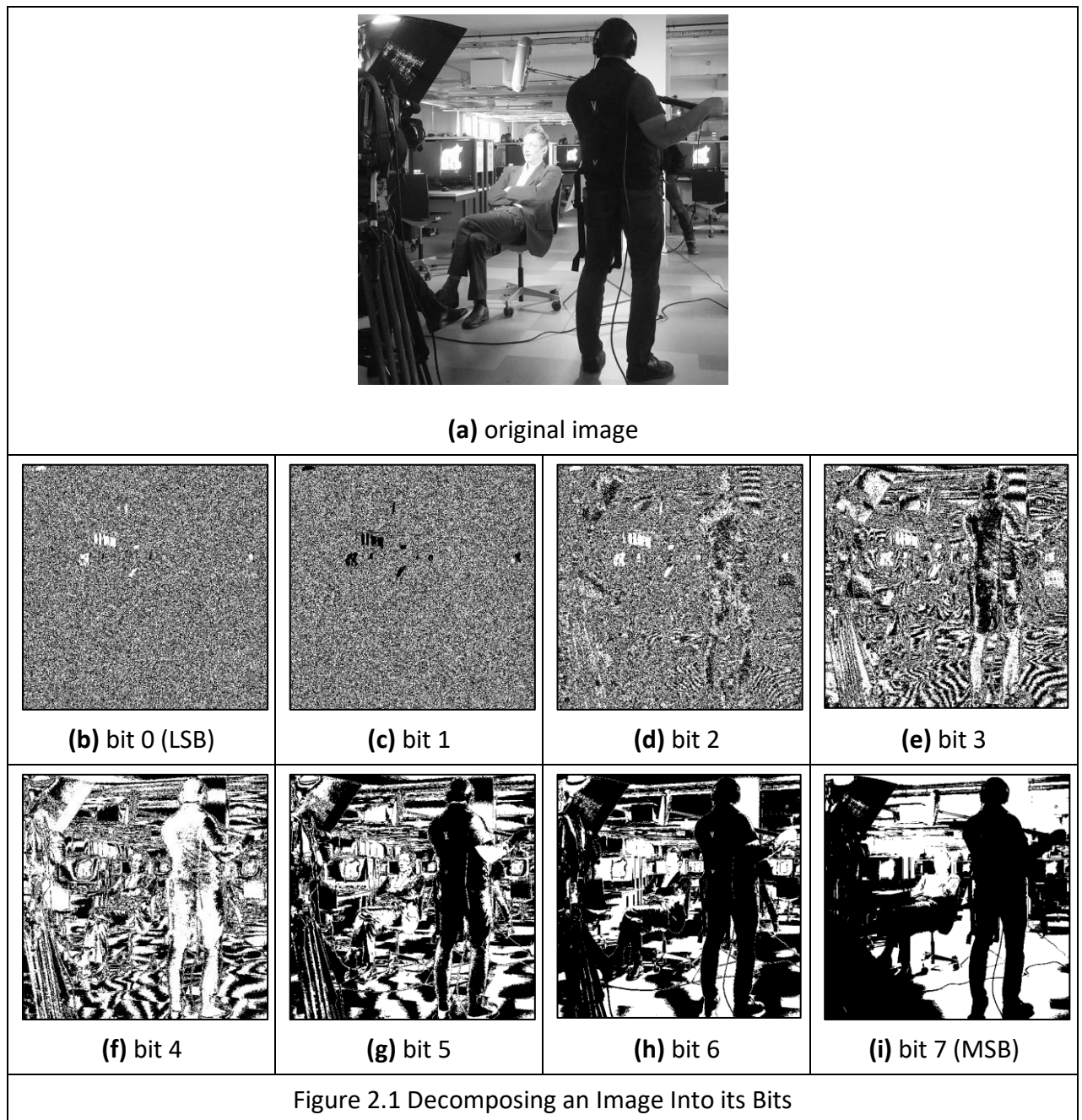
Feature Extraction and Image Processing – Fourth Edition

Known Errors

Apologies, some are ours and some come from mistakes in the proof stage. I actually found them when I was writing my new book called *Do'h! Fourier*

http://www.southampton.ac.uk/~msn/Doh_Fourier/ to be published by Wiley in 2022.

P36 (it doesn't really matter, but the bits were the wrong way round. It makes more sense this way though..)



A sentence after Eq. 2.13 should read

Correlation gives a measure of the match between the two signals $p_2(t)$ and $p_1(t)$. When $p_2(t) = p_1(t)$ we are correlating a signal with itself and the process is known as *autocorrelation*.

P44 (argh! Not Kronecker..)

$$\delta(t) = \begin{cases} 1 & t = 0 \\ 0 & \text{otherwise} \end{cases} \quad (2.14)$$

P52

The index in Figure 2.13 is x , not t

P56

$$\mathbf{FP}_{u,v} = \frac{1}{MN} \sum_{x=0}^{N-1} \sum_{y=0}^{M-1} \mathbf{P}_{x,y} e^{-j2\pi\left(\frac{ux}{N} + \frac{vy}{M}\right)} = \frac{1}{MN} \sum_{x=0}^{N-1} \left\{ \sum_{y=0}^{M-1} \mathbf{P}_{x,y} e^{-j2\pi\left(\frac{vy}{M}\right)} \right\} e^{-j2\pi\left(\frac{ux}{N}\right)} \quad (2.27)$$