第一章　勘誤

1999/03/23

- Page 2 Line 2
  $\phi(x)$ 是不連續函數，$\cdots$
- Page 15 Line 4

$$\sum_{k=0}^{2^j-1} v_{jk}\phi(2^j x-k), \quad \cdots$$

- Page 15 Line -7

$$\cdots \quad v(x)=\sum_{k=0}^{2^j-1} \quad \cdots \tag{1.14}$$

- Page 30 Line -7
  $\cdots$ 前面的結論再綜合一遍：
- Page 31 Line 2

$$\cdots \mathcal{P}_j f(x)+w_{jk}\times\begin{cases}1 & \cdots\\ -1 & \cdots\end{cases} \tag{1.30}$$

- Page 32 Line 4

$$\cdots \mathcal{P}_j f(x)+\frac{w_{jk}}{\sqrt{2^j}}\psi_{jk}(x),\cdots$$

- Page 32 Line 6 — 7

$$\begin{aligned}\cdots &= \frac{v_{j+1,2k}}{\sqrt{2^{j+1}}}\phi_{j+1,2k}(x)+\frac{v_{j+1,2k+1}}{\sqrt{2^{j+1}}}\phi_{j+1,2k+1}(x)\\ &= \frac{v_{jk}}{\sqrt{2^j}}\phi_{jk}(x)+\frac{w_{jk}}{\sqrt{2^j}}\psi_{jk}(x)\end{aligned} \tag{1.33}$$

- Page 36 Line -1

$$\phi_{00},\psi_{00},\psi_{10},\psi_{11},\cdots$$

- Page 37 Line 2 — 3

$$\begin{aligned}&= \sum_{k=0}^{2^\ell-1}\frac{v_k}{\sqrt{2^\ell}}\phi_{\ell k}(x)\\ &= \cdots\sum_{k=0}^{2^j-1}\frac{w_{jk}}{\sqrt{2^j}}\psi_{jk}(x)\end{aligned}$$

- Page 55 Line -3

$$\cdots\begin{pmatrix}v_0\\ v_1\\ v_2\\ v_3\\ \vdots\\ v_{N-1}\end{pmatrix}_{N\times 1}$$

- Page 60 Line 5
  $\mathcal{W}^{-1}$ 的係數。
- Page 62 Line 7
  $\cdots$ 需要 4 flops，$\cdots$
- Page 63 Line -4

$$p_0 v_{2k} + q_0 v_{2k+1} \mapsto \texttt{tmp}$$
$$p_1 v_{2k} + q_1 v_{2k+1} \mapsto v_{2k+1}$$
$$\texttt{tmp} \mapsto v_{2k}$$

- Page 63 Line -3
  (回顧 $p_0 = p_1 = 1$，$q_0 = 1$，$q_1 = -1$。)$\cdots$
- Page 64 Line -7
  $\cdots$ 注意 w_j 的元素個數就是 2^j。$\cdots$