JPEG - Quantization

Quantization Effect (1)



An 8×8 block from the Y image of 'Lena'

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200 202 189 188 189 175 175 175 200 203 198 188 189 182 178 175 203 200 200 195 200 187 185 175 200 200 200 200 197 187 187 187 200 200 200 200 200 195 188 187 175 200 200 200 200 200 190 187 187 175 205 200 199 200 191 187 187 187 175 205 200 199 200 191 187 187 186 f(i,j)
515 65 -12 4 1 2 -8 5 \\ -16 3 2 0 0 -11 -2 3 \\ -12 6 11 -1 3 0 1 -2 \\ -8 3 -4 2 -2 -3 -5 -2 \\ 0 -2 7 -5 4 0 -1 -4 \\ 0 -3 -1 0 4 1 -1 0 \\ 3 -2 -3 3 3 3 -1 -1 3 \\ -2 5 -2 4 -2 2 -3 0 
F(u,v)
F(u,v)
```

Fig. 9.2: JPEG compression for a smooth image block.

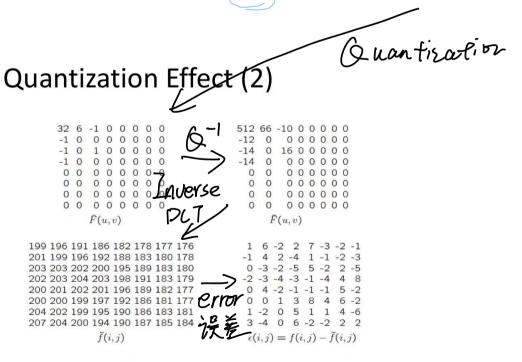


Fig. 9.2 (cont'd): JPEG compression for a smooth image block.