Image is subdivided into 8x8 subimages. Each 8x8 image is transformed and only 32 out of each 64 freq domain coefficients are discarded. The largest ones are retained.

Inverse image – left, Error image – right

Top to Bottom:

- **FFT**  \( \text{rms error} \ 1.28 \)
- **Hadamard Trans**  \( \text{rms error} \ 0.86 \)
- **DCT**  \( \text{rms error} \ 0.68 \)
FIGURE 8.33
Reconstruction error versus subimage size.
FIGURE 8.34 Approximations of Fig. 8.23 using 25% of the DCT coefficients: (a) and (b) 8 × 8 subimage results; (c) zoomed original; (d) 2 × 2 result; (e) 4 × 4 result; and (f) 8 × 8 result.