A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)

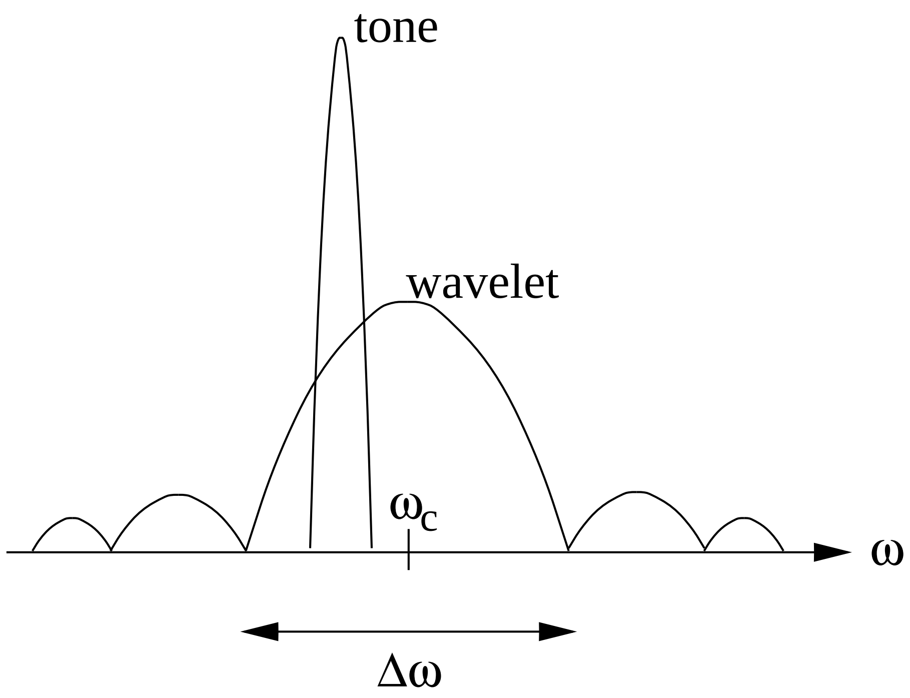

Figure 11.5: A high energy narrow frequency tone can excite a wavelet whose Fourier transform has second order lobes outside the critical band of width $\Delta\omega$. The quantization then creates audible distortion.