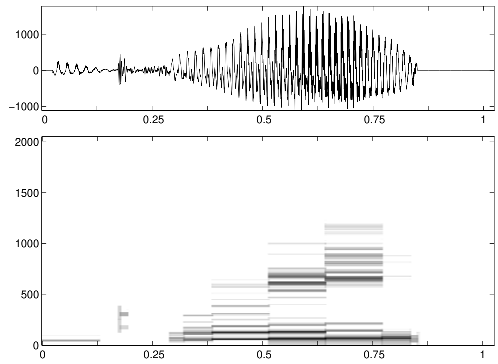
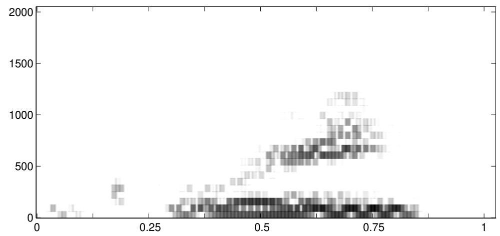
A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)



(a)



(b)

Figure 8.19: (a): The signal at the top is a recording of the sound "grea" in the word "greasy". This signal is decomposed in a local cosine basis with windows of varying sizes. The larger the amplitude of $|\langle f, g_{p,k} \rangle|$ the darker the gray level of the Heisenberg box. (b): Decomposition in a local cosine basis with small windows of constant size.