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

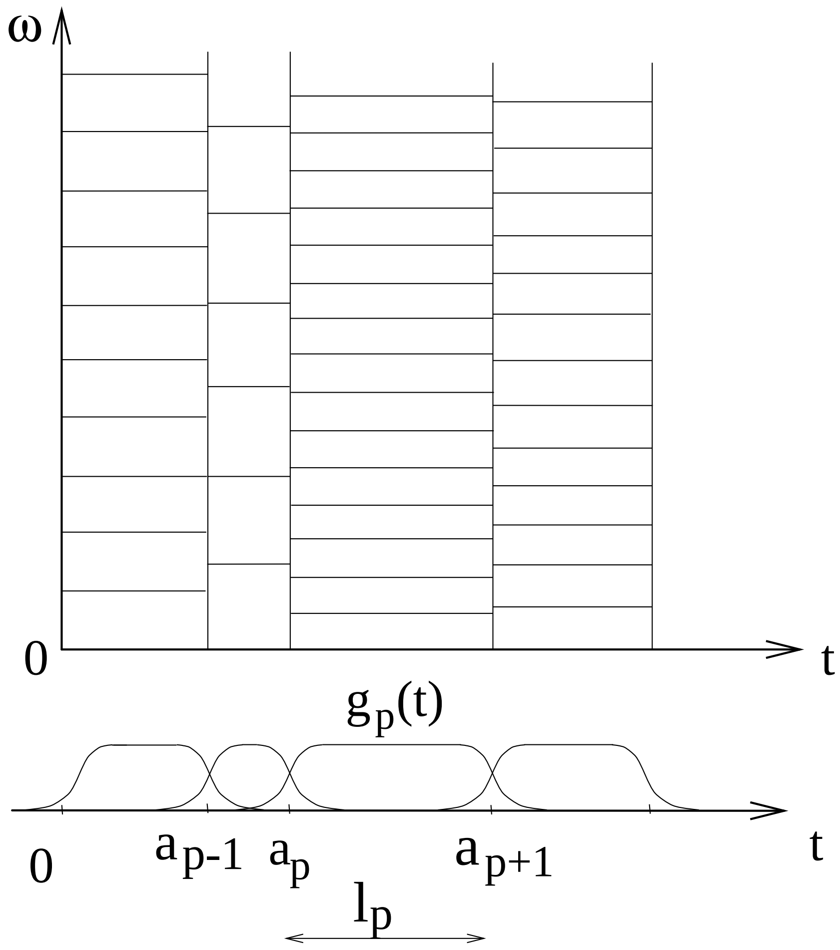


Figure 1.5: A local cosine basis divides the time axis with smooth windows $g_p(t)$. Multiplications with cosine functions translate these windows in frequency and yield a complete cover of the time-frequency plane.