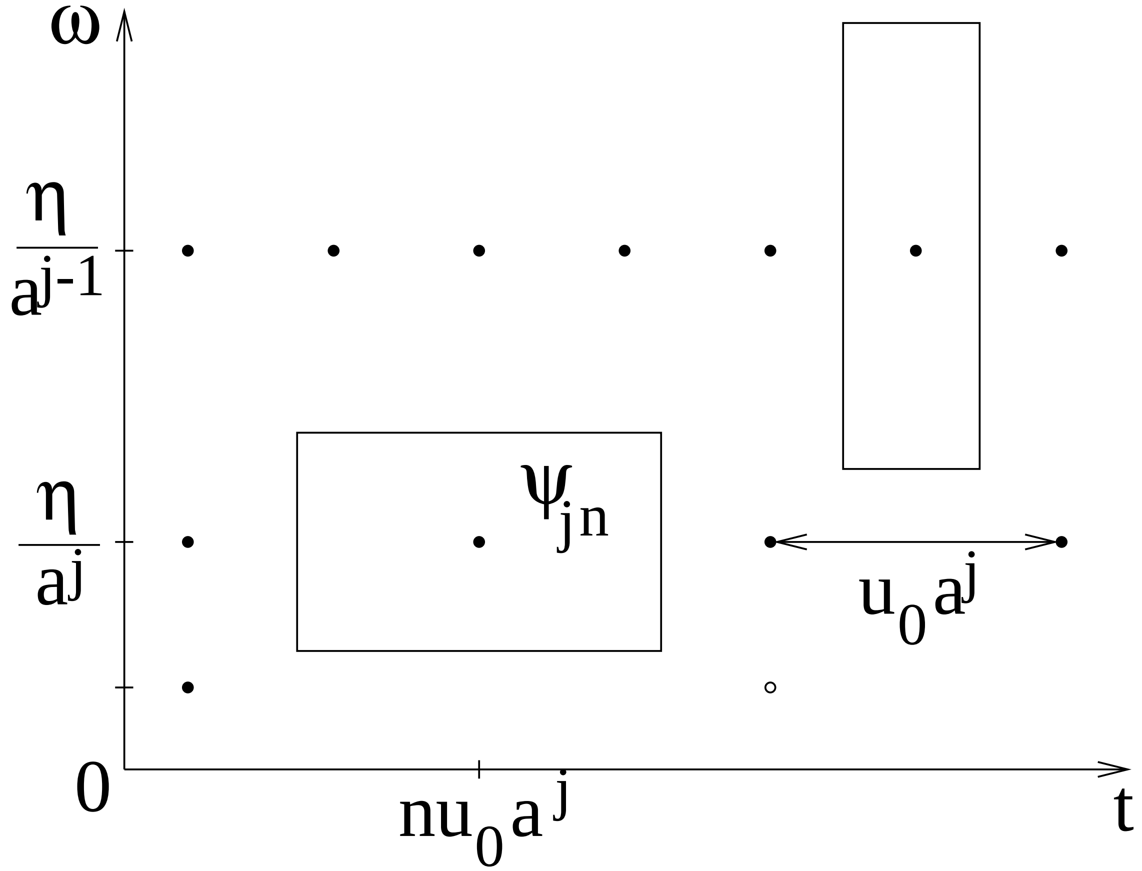

Figure 5.2: The Heisenberg box of a wavelet $\psi_{j,n}$ scaled by $s = a^j$ has a time and frequency width proportional respectively to a^j and a^{-j}. The time-frequency plane is covered by these boxes if u_0 and a are sufficiently small.