



Figure 1: **Two Morlet Wavelet families and their tiling of the frequency plane.** For each set of parameters, the point spread functions of the wavelet bases are shown, next to their covering of the frequency plane $A(\omega)$. None of the configurations cover the corners of the frequency plane, but this is often mostly noise. Increasing J , K or Q gives better frequency localization but at the cost of spatial localization and added complexity. Image adapted from [?].