

Figure 1.1: Time frequency analysis of 8.192 second clip of Handel's Messiah using a Mexican Hat wavelet with width of $1s^{-1}$

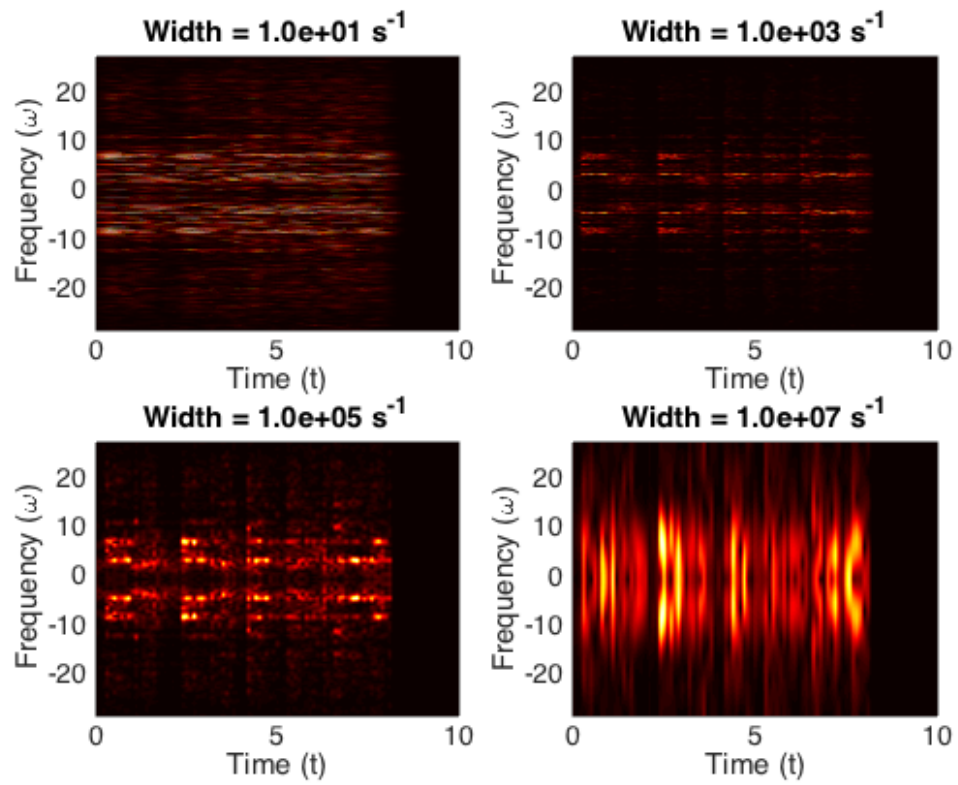


Figure 1.2: Examples of spectrograms constructed using Gaussian wavelets of varying widths. Signal is an 8.192 second clip of Handel's Messiah.

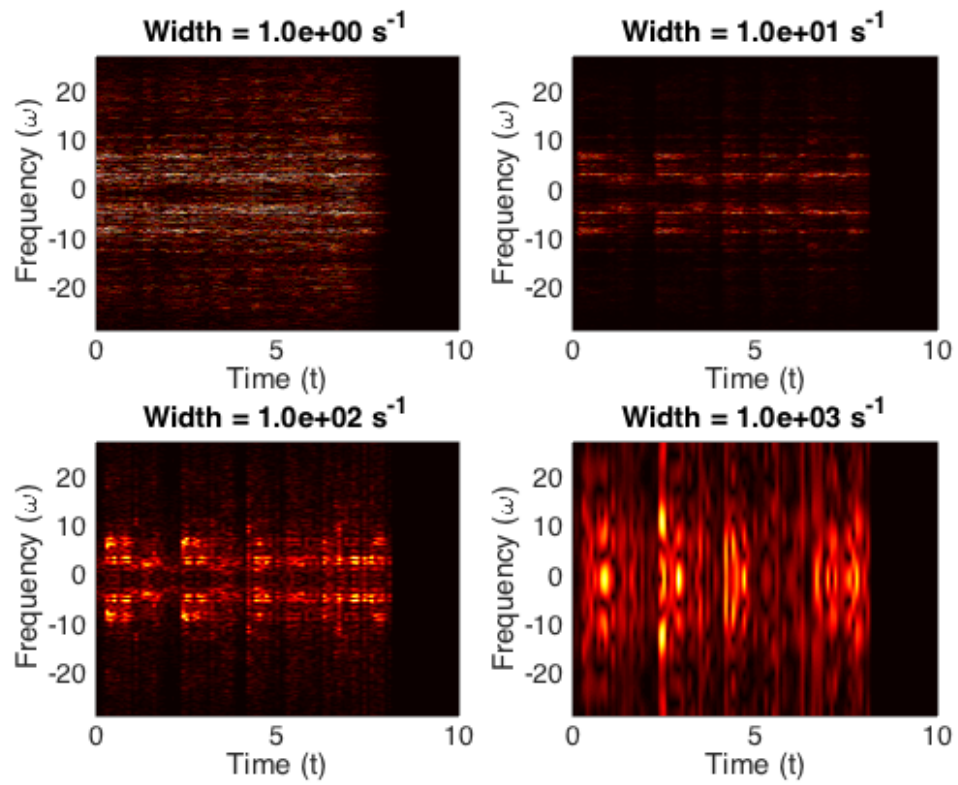


Figure 1.3: Examples of spectrograms constructed using Haar wavelets of varying widths. Signal is an 8.192 second clip of Handel's Messiah.

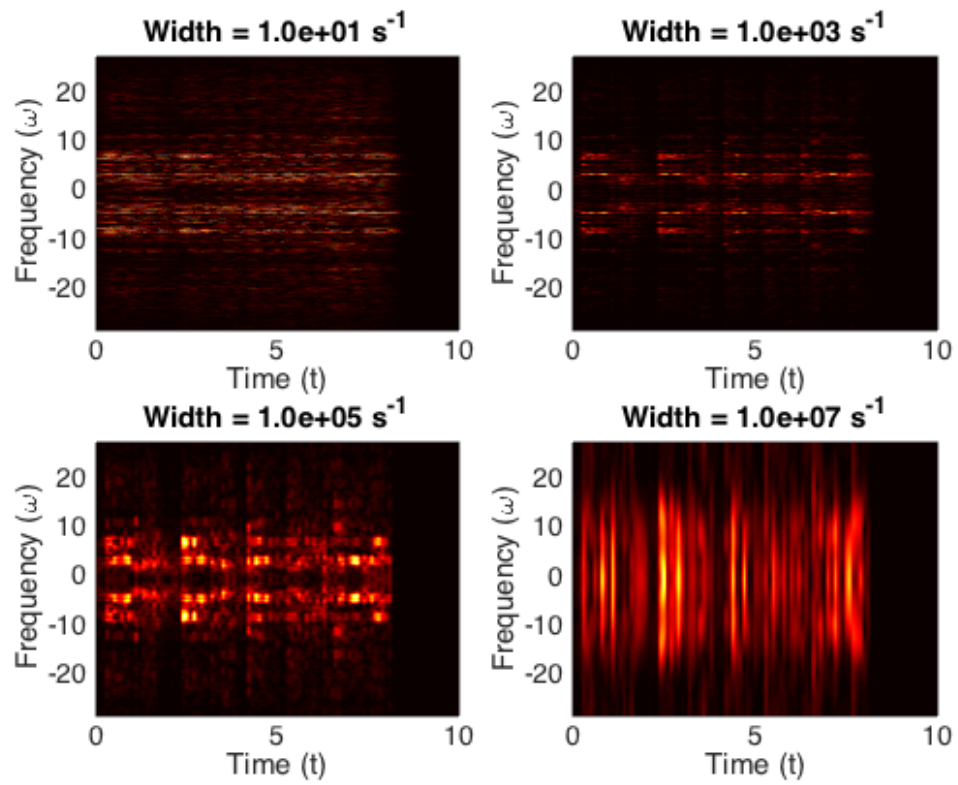


Figure 1.4: Examples of spectrograms constructed using Mexican Hat wavelets of varying widths. Signal is an 8.192 second clip of Handel's Messiah.