

SATFD lab 03 - Time and Frequency

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1 Chirp signal

Figure 1: **Chirp signal.**

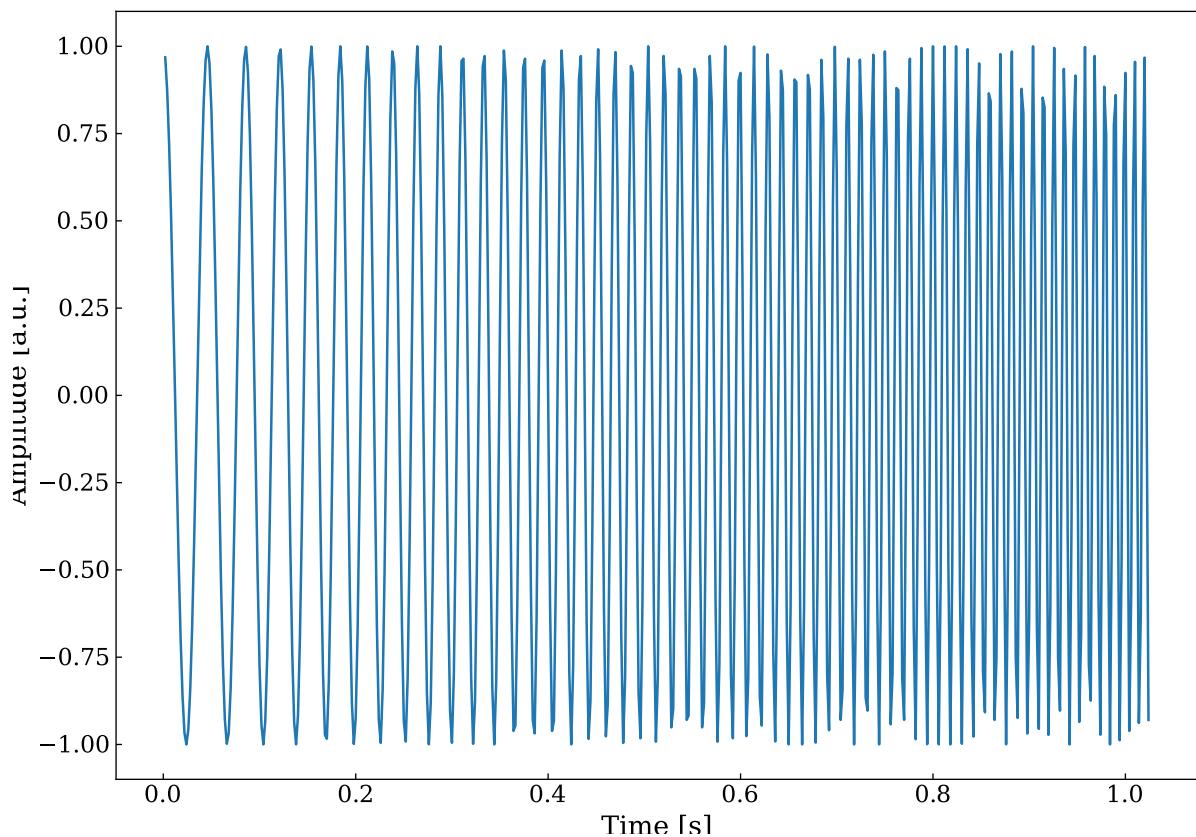
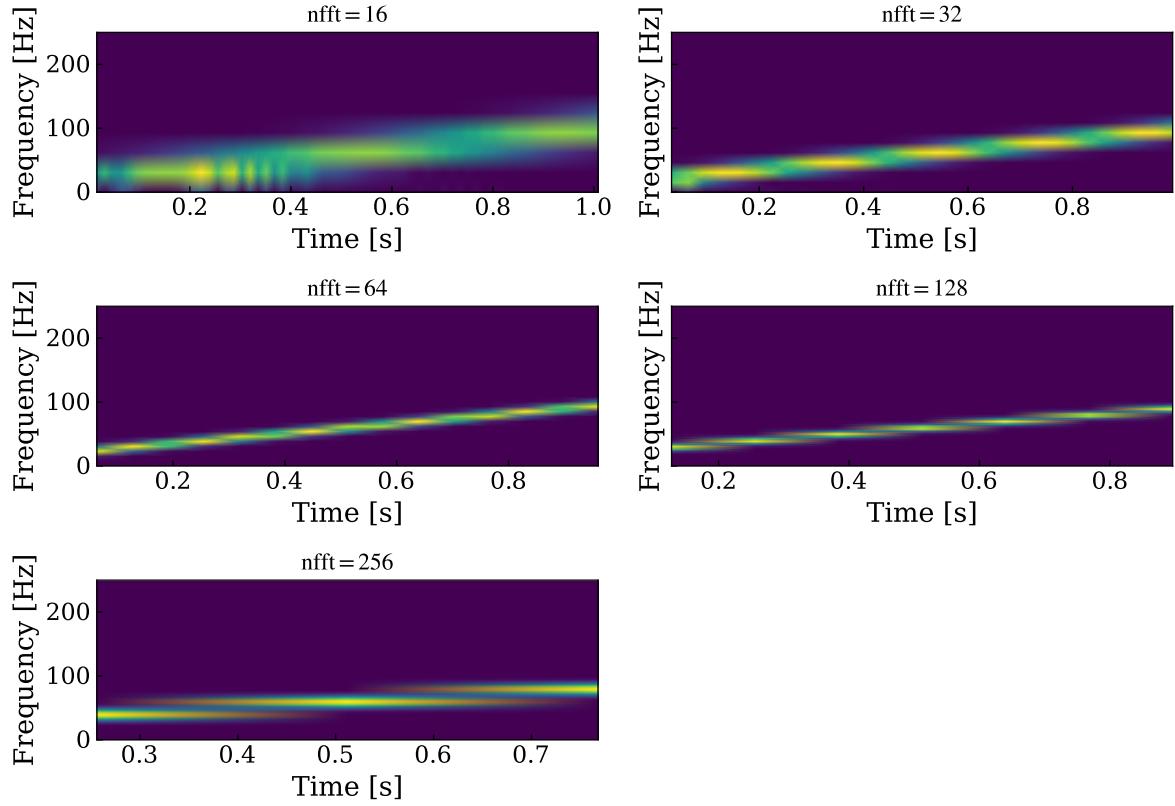


Figure 2: **Chirp signal.**



2 Spectrogram

2.1 Different nfft values

2.2 Different signal lengths

3 Wigner-Ville transform

4 W-V and STFT

Figure 3: **Chirp signal.**

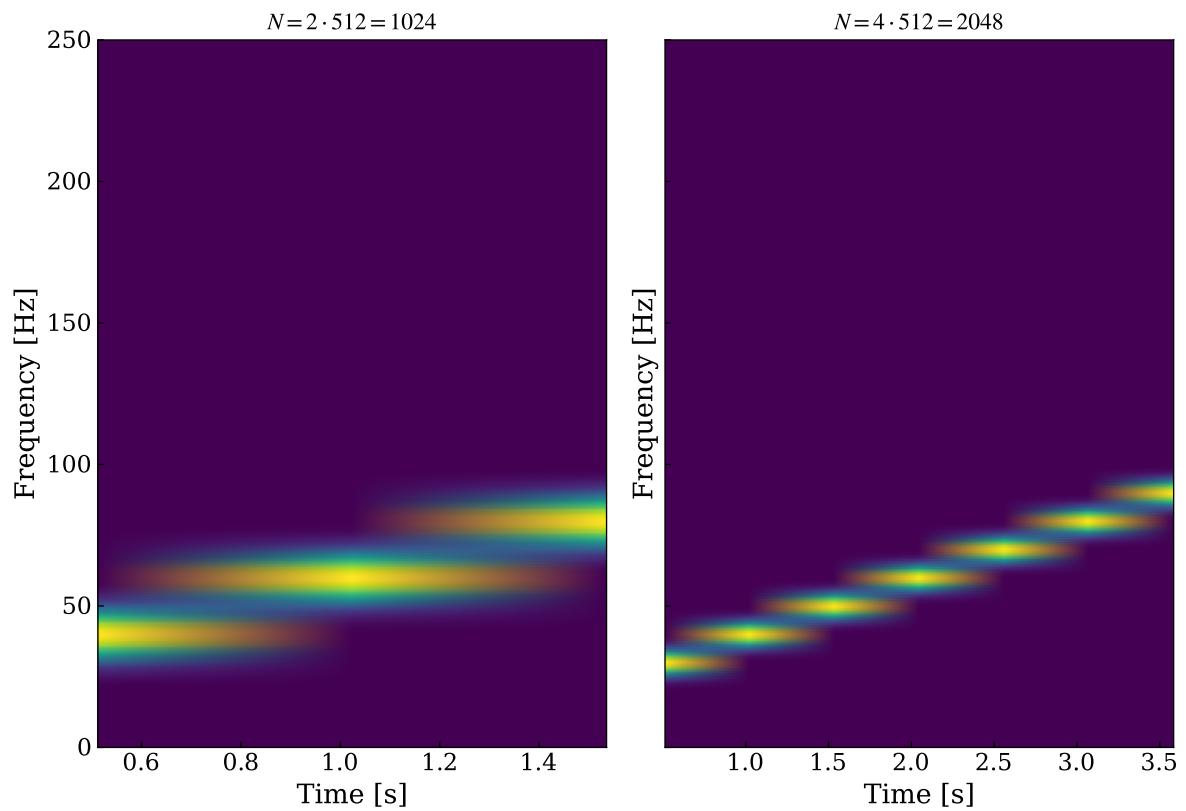


Figure 4: **Chirp signal.**

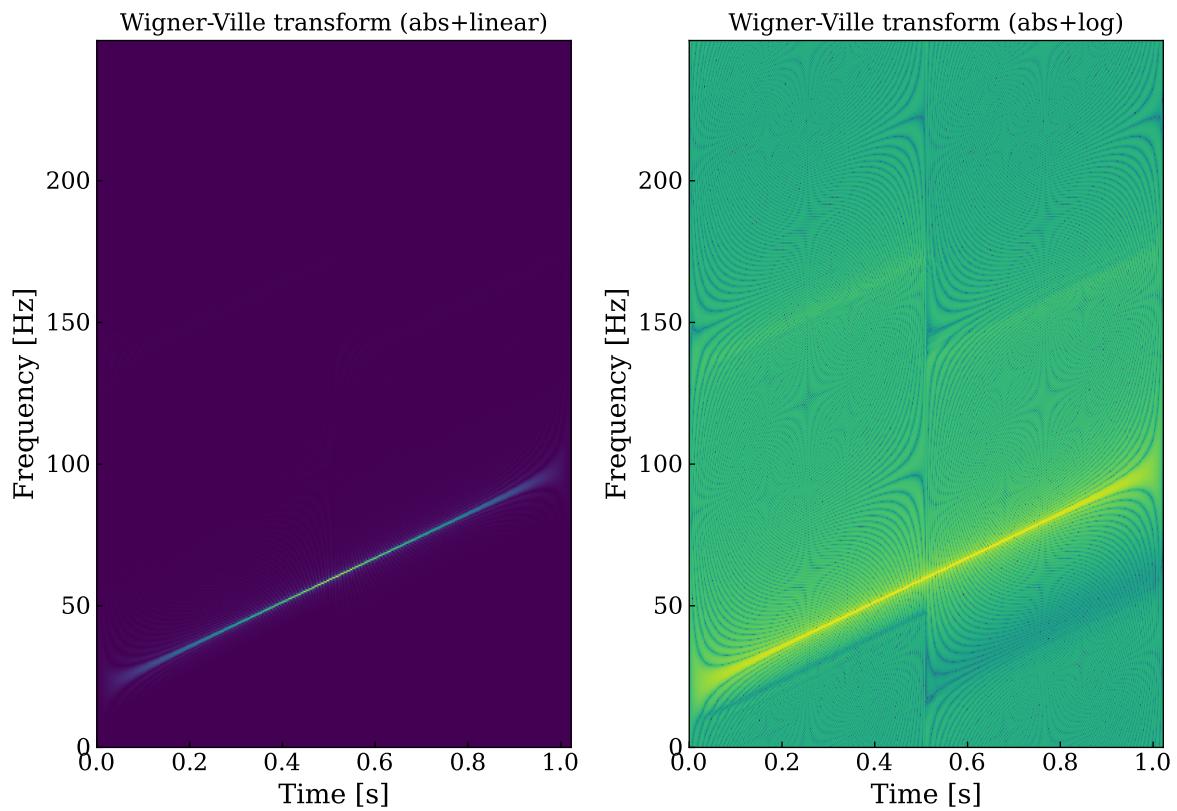


Figure 5: **Chirp signal.**

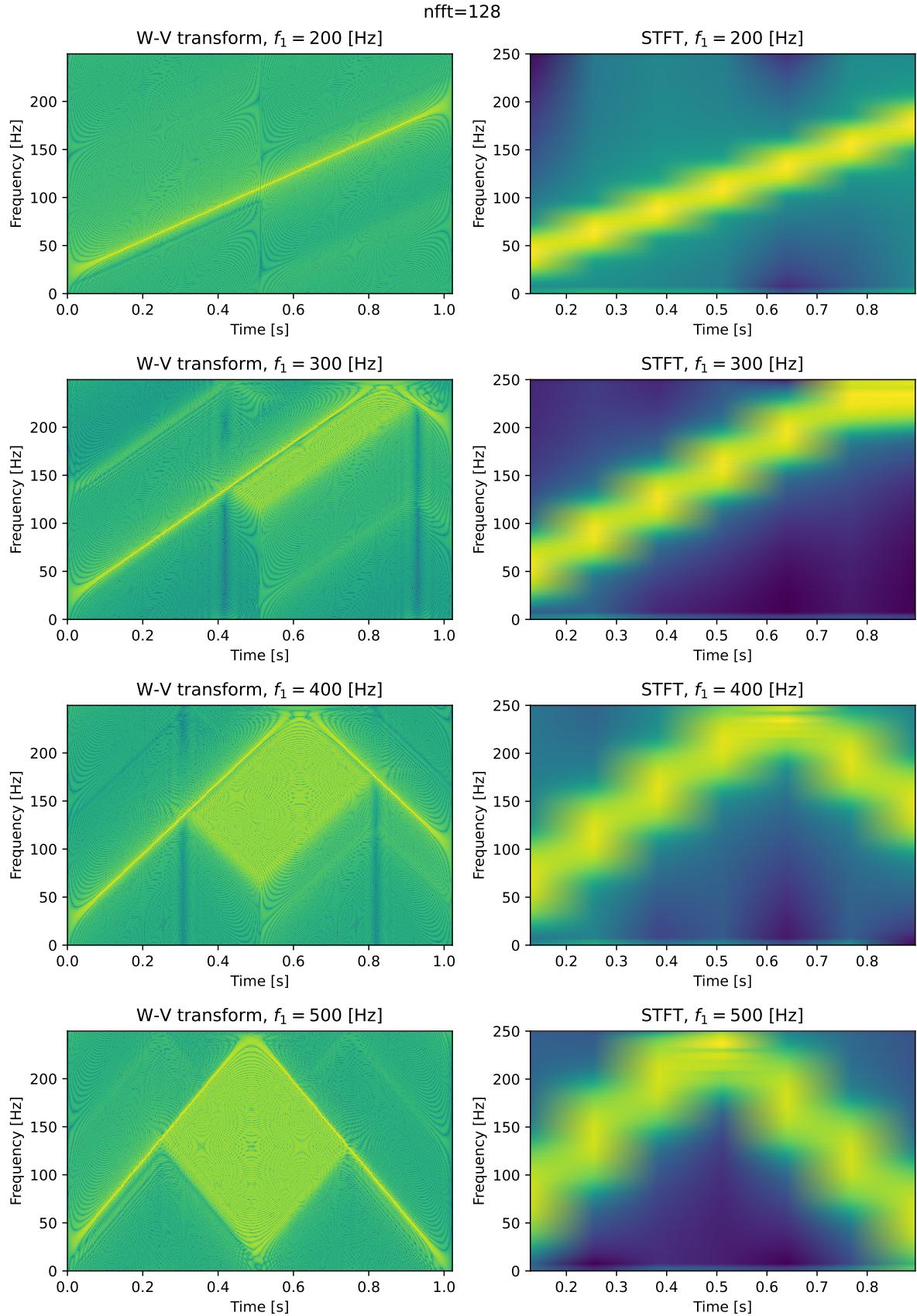


Figure 6: **Chirp signal.**

$nfft=128, N=512$

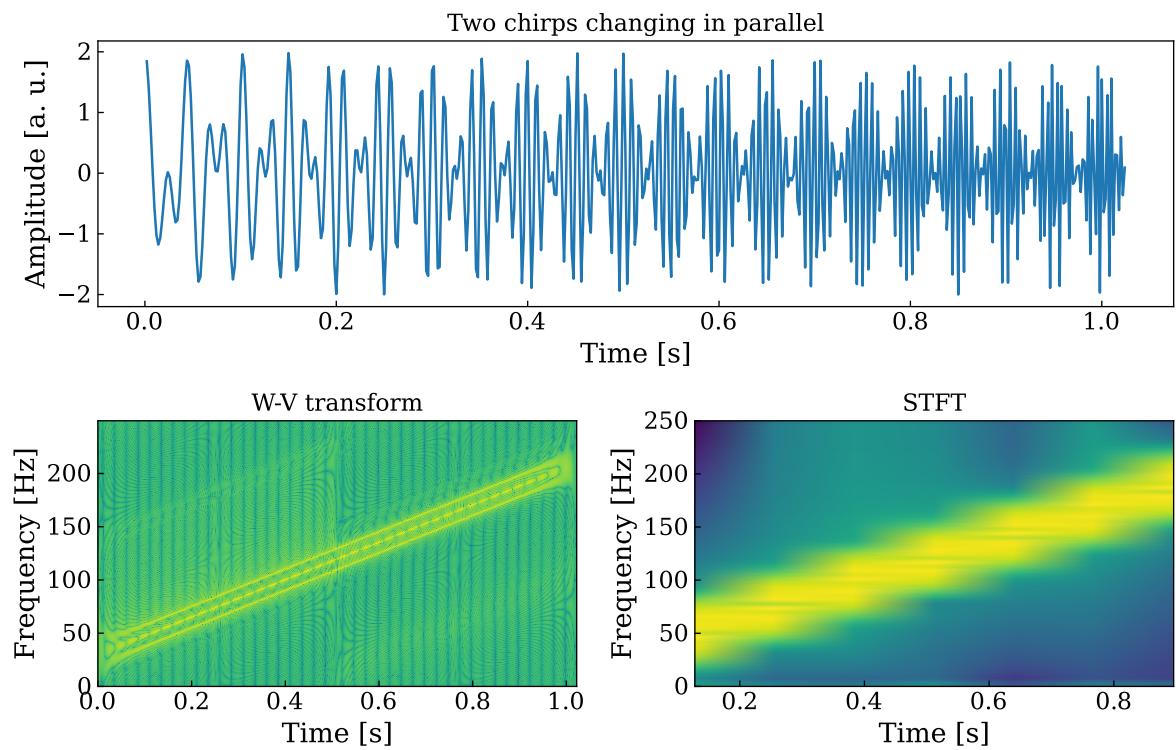


Figure 7: **Chirp signal.**

$nfft=128, N=512$

