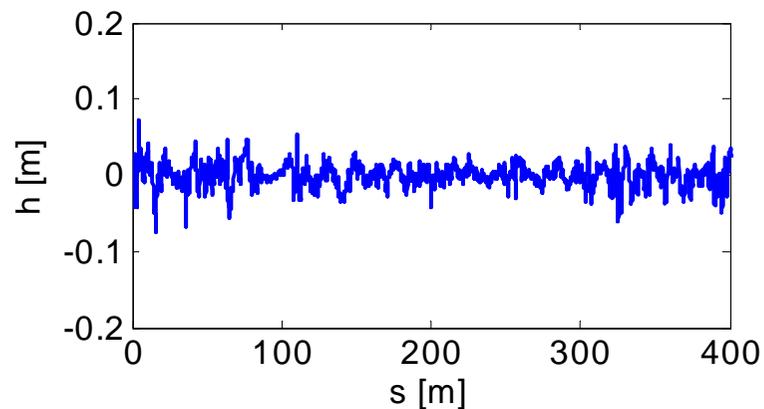


Bemerkung 7.31: Diskrete Fourier-Transformation

Beispiel (Prof. Dr.-Ing. P. Pickel, U Halle, Landwirtschaftliche Fakultät)

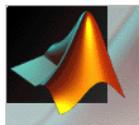
Fahrweg eines landwirtschaftlichen Nutzfahrzeugs (vertikale Auslenkung)



Messdaten im Abstand $\Delta_s = 0.05$ m

Geschwindigkeit $v = 2.0$ m/s

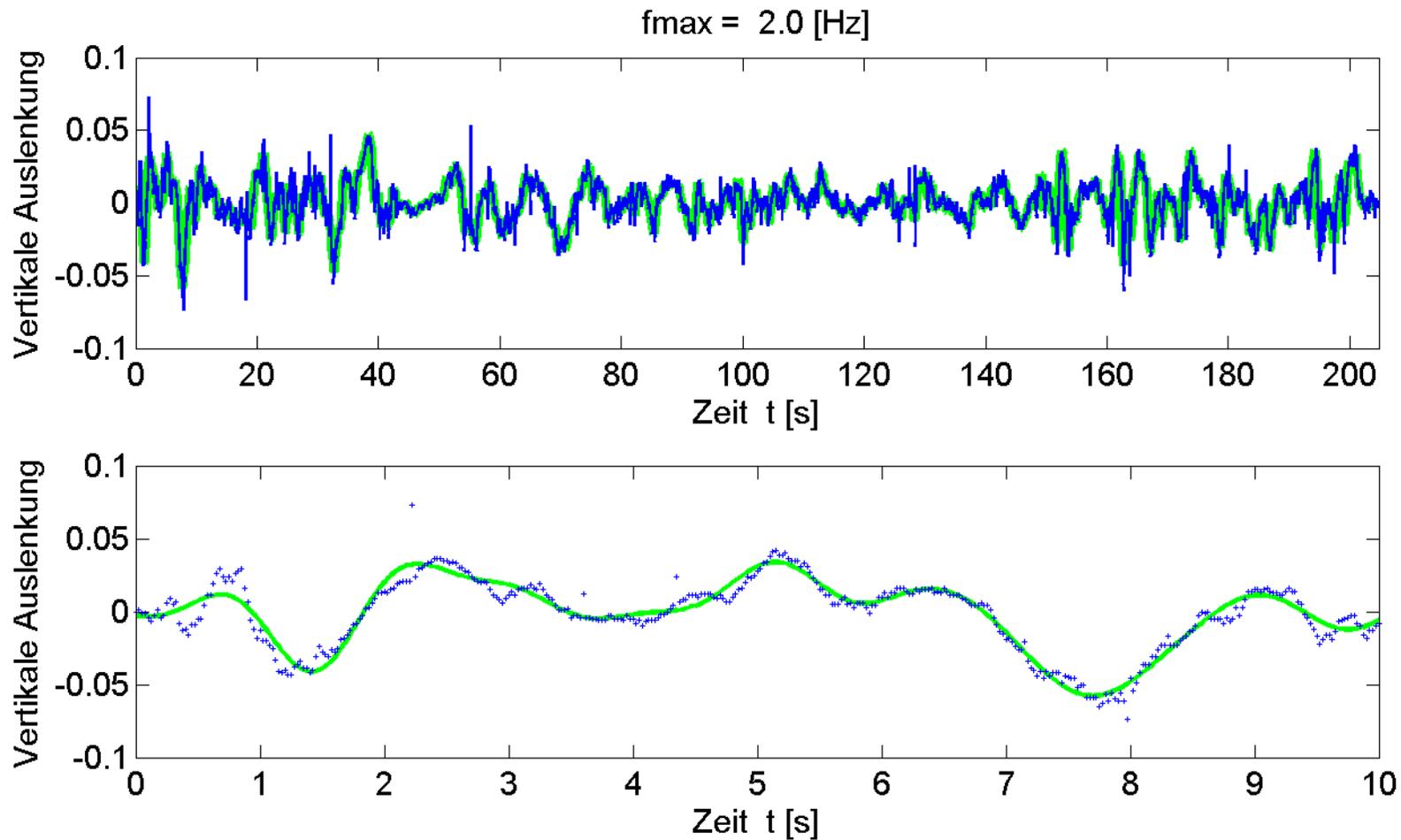
$\Rightarrow \Delta_t = 0.025$ s $\Rightarrow \bar{f}_{\text{input}} = 40$ Hz



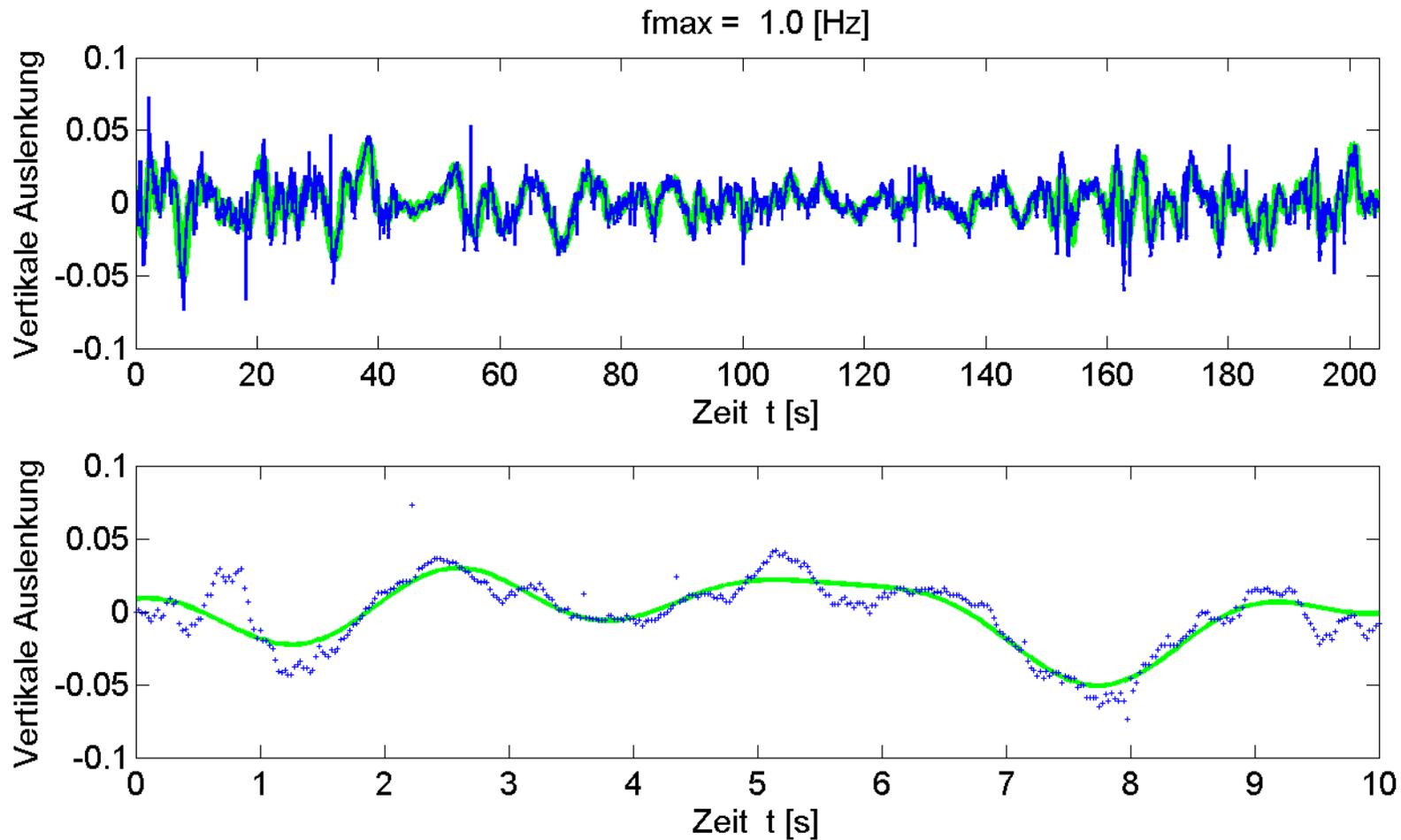
see [freqcut.m](#)



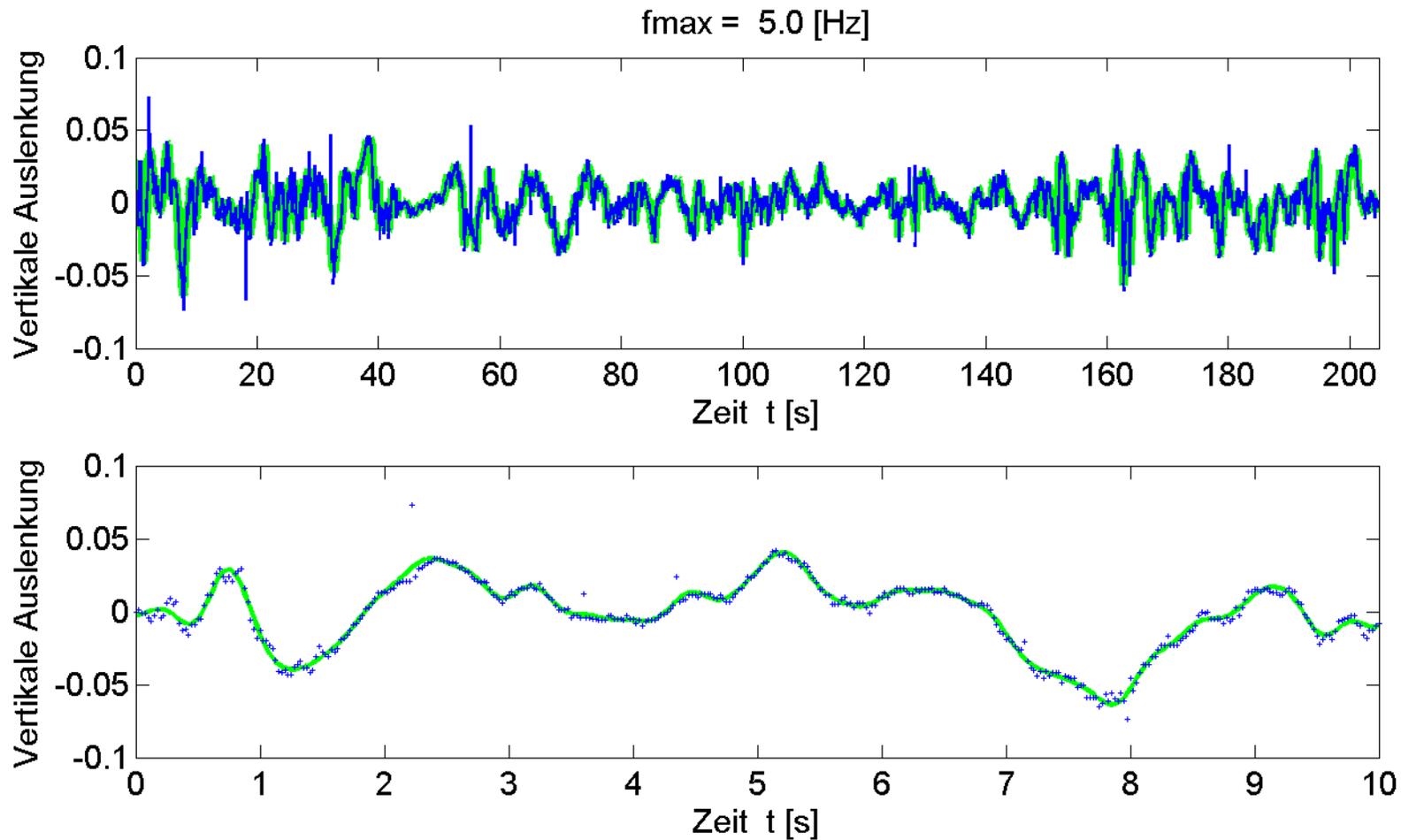
Bemerkung 7.31: DFT (II)



Bemerkung 7.31: DFT (III)



Bemerkung 7.31: DFT (IV)



Bemerkung 7.31: DFT (V)

