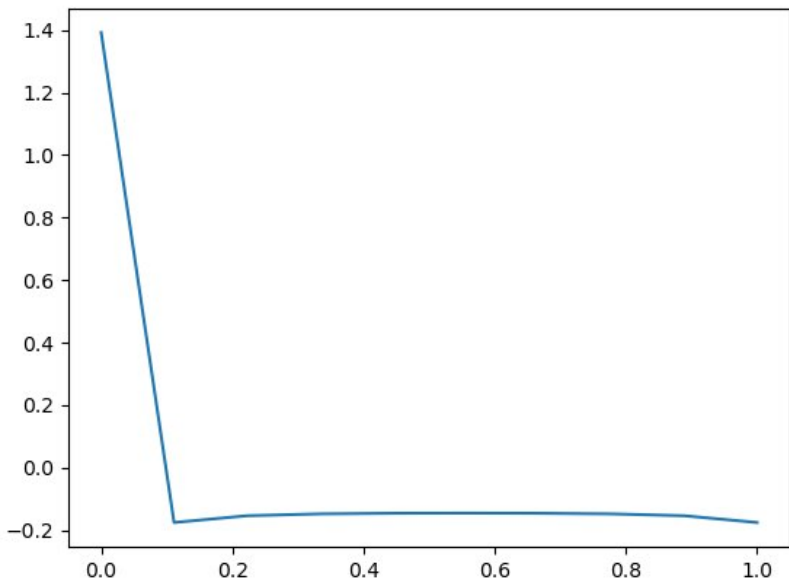
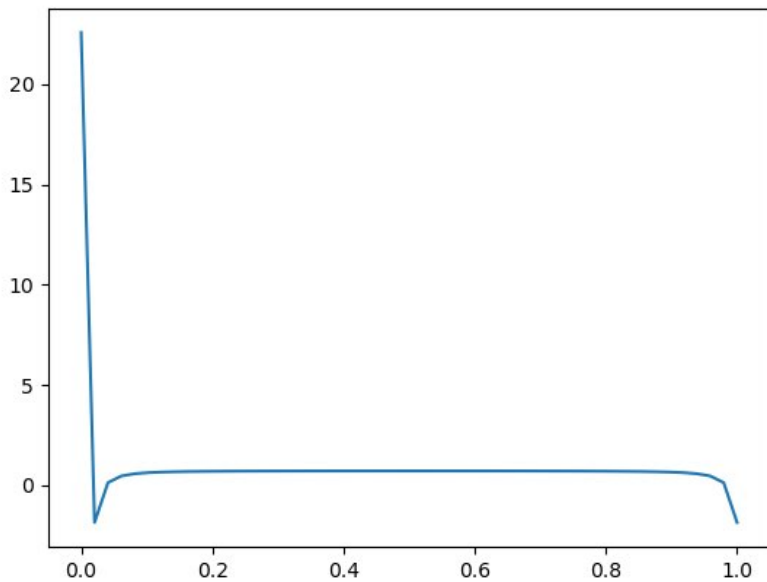


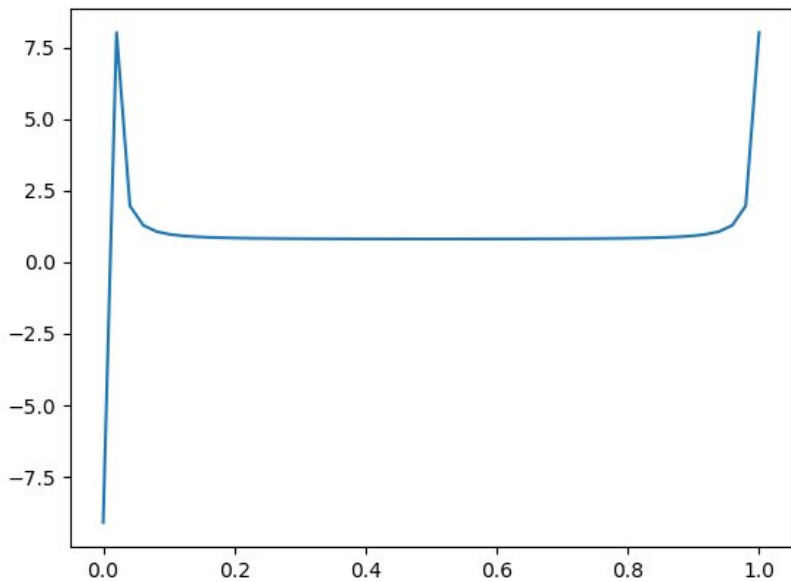
6.1 a)



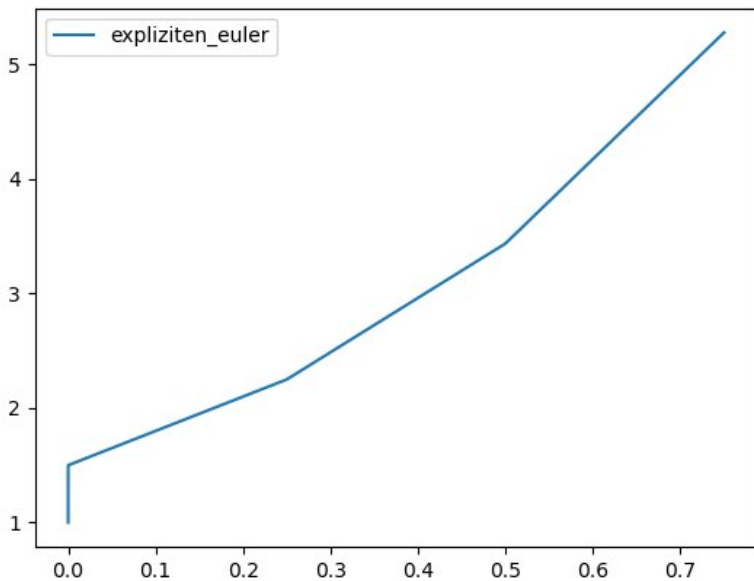
6.1 b₁



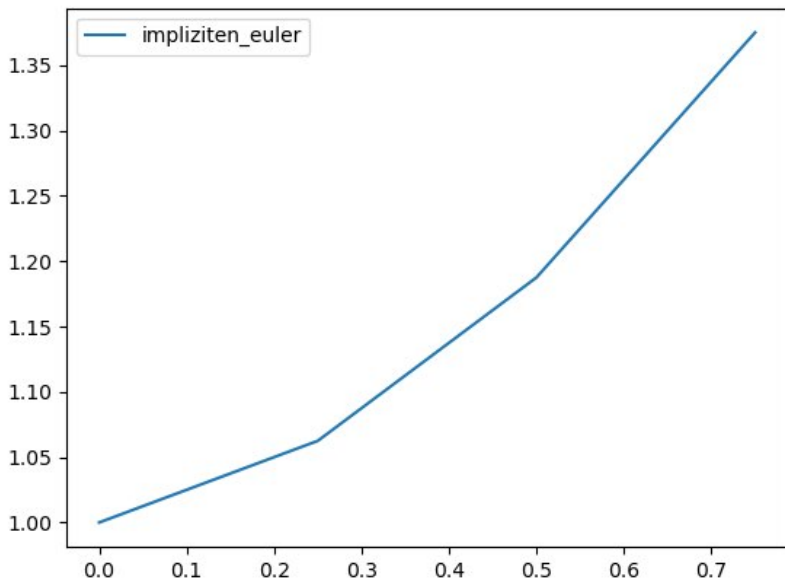
6.1 b_2



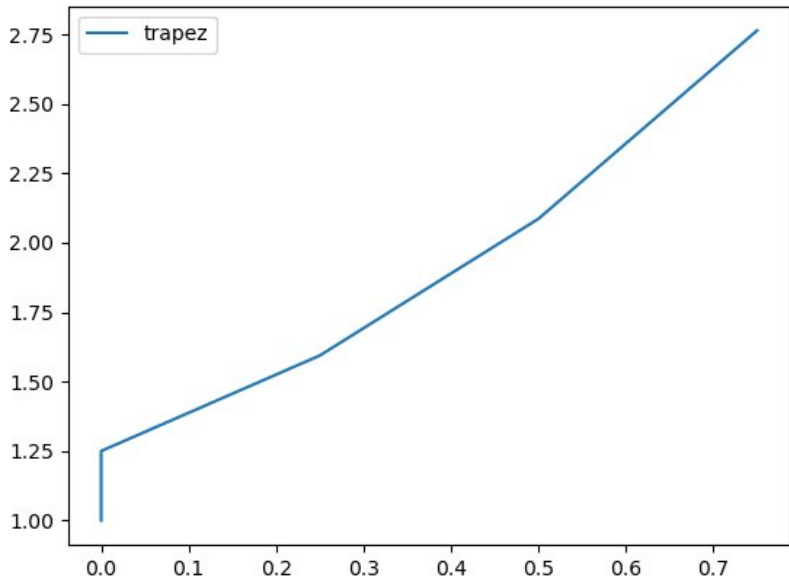
6.2 a



6.2 b



6.2 c



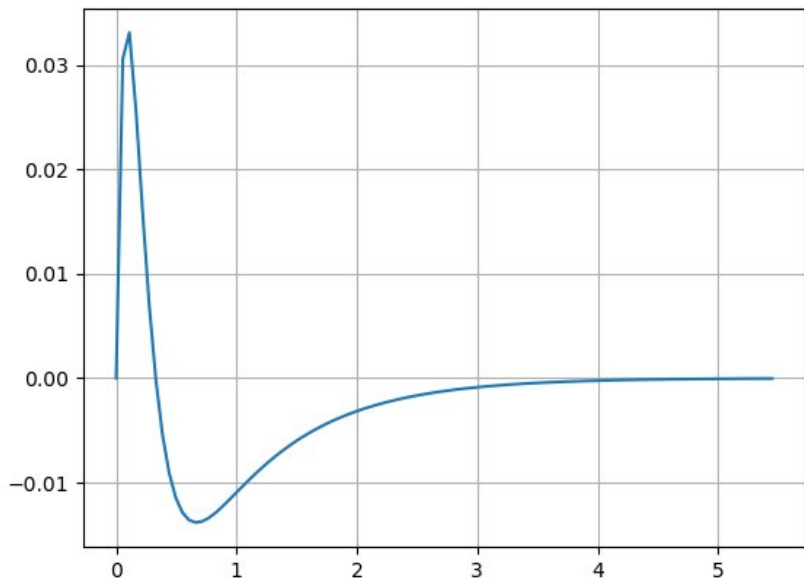
Zustandsmodell: $\begin{bmatrix} -20.1 & -102.01 & -100.01 \\ 1. & 0. & 0. \\ 0. & 1. & 0. \end{bmatrix} \begin{bmatrix} 1. \\ 0. \\ 0. \end{bmatrix}$

$\begin{bmatrix} 1. & 0. & 0. \\ 0. & 1. & 0. \end{bmatrix} \begin{bmatrix} 1. \\ 0. \end{bmatrix}$ 6.3 a&b

$\begin{bmatrix} 0. & 1. & -1. \end{bmatrix} \begin{bmatrix} 0. \end{bmatrix}$

Eigenwerte: $[-12.67367325 \quad -6.14141809 \quad -1.28490866]$

6.3 c



6.3 d

