

$$a = \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix}$$

$$b := a^{-1}$$

$$b = \begin{pmatrix} 0.027 & 0.24 & 0.493 & 0.667 \\ -0.093 & 0.16 & -0.227 & -0.333 \\ -0.107 & 0.04 & 0.027 & 0.333 \\ 0.227 & 0.04 & -0.307 & -0.333 \end{pmatrix}$$

$$c := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

$$d = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix}$$

$$y(t) := \sin(0.25 \cdot t) + 2 \cdot t + e^{-0.85t} - 2 \cdot \cos\left[\left(\frac{\pi}{10}\right) \cdot t\right]$$

$$t := 0, 0.1..10$$

t =	y(t) =
0	-1
0.1	-0.856
0.2	-0.702
0.3	-0.541
0.4	-0.373
0.5	-0.197
0.6	-0.015
0.7	0.174
0.8	0.368
0.9	0.568
1	0.773
1.1	0.982
1.2	1.197
1.3	1.415
1.4	1.637
1.5	1.864

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