Mathcad Professional - [Untitled:1]

File Edit View Insert Format Math Symbolics Window Help

Normal Arial 10

Math

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18/ENG02/080
COMPUTER ENGINEERING

NUMBER 1:

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

$$B = \begin{pmatrix} x1 \\ x2 \\ x3 \\ x4 \end{pmatrix}$$

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

$$B := A^{-1}C$$

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

Inserting text in text region, type Ctrl-Shift-Enter to exit.

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NUMBER 2:

$t := 0, 0.1 .. 10$

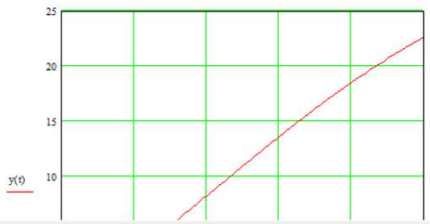
$t =$

0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5

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

$y(t) =$

-1
-0.856
-0.702
-0.541
-0.373
-0.197
-0.015
0.174
0.368
0.568



Press F1 for help.

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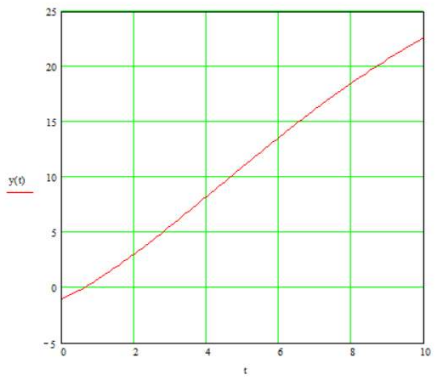
Math

1.2
1.3
1.4
1.5

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

y(t) =

-1
-0.856
-0.702
-0.541
-0.373
-0.197
-0.015
0.174
0.368
0.568
0.773
0.982
1.197
1.415
1.637
1.864



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