



The set of models of a system is as given in equation (C) with the aid of matrix CAD estimate the values of the DC's in the model equations.

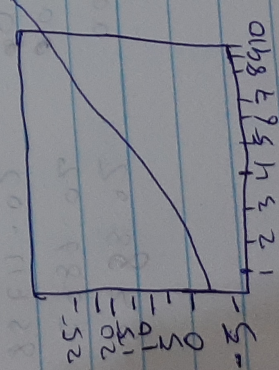
$$\begin{cases} x_1 - 2x_2 - x_3 + 3x_4 = 10 \\ 2x_1 + 3x_2 + 4x_3 = 8 \\ x_1 - 4x_3 - 2x_4 = 3 \\ -x_2 + 3x_3 + x_4 = 7 \end{cases}$$

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

$$C = \begin{bmatrix} 10 \\ 8 \\ 3 \\ 7 \end{bmatrix}$$

$$D = \begin{bmatrix} 0.0267 & 0.2400 & 0.4433 & 0.6067 \\ -0.0733 & 0.1600 & -0.2267 & -0.3333 \\ -0.1067 & 0.0400 & 0.0267 & 0.3333 \\ 0.2267 & 0.0400 & 0.3067 & -0.3333 \end{bmatrix}$$

$$E = \begin{bmatrix} -1.0000 \\ 2.0000 \\ -3.0000 \\ 4.0000 \end{bmatrix}$$



9.9000  
-5714.22  
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72.5987

22  
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2050

5