Assignment 2

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Download all python codes from

https://github.com/ayush−2321/EE3900/new/main

and latex-tikz codes from

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MATRIX 2.41

If $\mathbf{A}=\begin{pmatrix} 1 & 2 & 3 \\ 2 & 3 & 1 \end{pmatrix}$ and $\mathbf{B}=\begin{pmatrix} 3 & -1 & 3 \\ -1 & 0 & 2 \end{pmatrix}$, then find $2\mathbf{A} - \mathbf{B}$

1 SOLUTION

$$2\mathbf{A} = \begin{pmatrix} 2 & 4 & 6 \\ 2 & 3 & 1 \end{pmatrix} \tag{1.0.1}$$

$$-B = \begin{pmatrix} -3 & 1 & -3 \\ 1 & 0 & 2 \end{pmatrix} \tag{1.0.2}$$

hence,

$$2\mathbf{A} - \mathbf{B} = \begin{pmatrix} -1 & 5 & 3 \\ 5 & 6 & 0 \end{pmatrix} \tag{1.0.3}$$