

Your answer is Correct

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Item 1-10 of 17 « previous 1 2 next »

 $\frac{18}{t_1 + t_2} [e^{2(t_1 + t_2)} - 1]$

 $\frac{18}{t_1 - t_2} [e^{2(t_1 - t_2)} - 1]$

QUESTION ANALYTICS

 $X(t) = 6e^{At}$

 $R_X(t_1, t_2) = E[X(t_1)X(t_2)] = E[6e^{At_1} 6e^{At_2}]$

 $= 36 \left[\frac{1}{2} \int_{0}^{2} e^{A(t_{1} + t_{2})} dA \right] = 18 \left[\frac{e^{A(t_{1} + t_{2})}}{t_{1} + t_{2}} \right]_{0}^{2} = \frac{18}{t_{1} + t_{2}} [e^{2(t_{1} + t_{2})} - 1]$

Solution:

(c)

Item 11-17 of 17 « previous 1 2 next »

 $= \begin{bmatrix} 0.6 & 0.4 \end{bmatrix} \begin{bmatrix} 0.62 & 0.38 \\ 0.38 & 0.62 \end{bmatrix}$

 $P(Z) = [0.524 \quad 0.476]$

 $P(Z) = \begin{bmatrix} 0.5 & 0.5 \end{bmatrix} \begin{bmatrix} 0.62 & 0.38 \\ 0.38 & 0.62 \end{bmatrix}$

 $P(x_1) = P(x_2)$ then

 $P(Z) = [0.5 \ 0.5]$

 $P(Z_1) = 0.524$

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 \mathbf{If}

QUESTION ANALYTICS