$$\begin{array}{c} \text{QUIZ} \\ \text{O} \\ \text{O} \end{array}$$

$$|U| = \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix}$$

 $P_2 = U_2 - \frac{2 \cdot \gamma_1}{\rho_1 \cdot \rho_1} \rho_1$

(C)

$$Quiz 6$$

$$0 = \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix}$$

$$02 = \begin{bmatrix} 0 \\ 0 \end{bmatrix}$$

$$\begin{array}{c} \text{QuIZ 0} \\ \text{O} \\ \text{O} \end{array}$$

$$|V| = \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix}$$

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$$\begin{array}{c} \text{QuIZ 6} \\ \text{J} \\ \text{J} \\ \text{J} \end{array}$$

$$\begin{array}{c} \text{QUIZ 6} \\ \text{O} \\ \text{O} \end{array}$$

$$\begin{array}{c} \text{Quiz 6} \\ \text{U} = \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix} \end{array}$$

 $= \begin{bmatrix} 3 \\ 2 \\ 0 \end{bmatrix} - \frac{(3xi)+(2x5)+0}{(1xi)+(5x5)+0} \cdot \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix}$

 $= \begin{bmatrix} 3\\2\\0 \end{bmatrix} - 0.5 \begin{bmatrix} 1\\5\\0 \end{bmatrix} = \begin{bmatrix} 3\\2\\0 \end{bmatrix} - \begin{bmatrix} 0.5\\2.5\\0 \end{bmatrix}$

 $q_1 = \frac{P_1}{|P_1|} = \frac{1}{\sqrt{1^2 + 5^2 + 0^2}} \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix} = \frac{1}{\sqrt{26}} \begin{bmatrix} 1 \\ 5 \\ 0 \end{bmatrix}$

 $Q_{12} = \frac{P_{2}}{|P_{1}|} = \frac{1}{\sqrt{2.5^{2} + 0.5^{2} + 0}} \left[\begin{array}{c} 2.5 \\ -0.5 \\ 0 \end{array} \right] = \frac{1}{\sqrt{26}} \left[\begin{array}{c} 2.5 \\ -0.5 \\ 0 \end{array} \right]$

R = QTA $= \int QS = S_{56} Q = S$

2×2

 $= \begin{bmatrix} \sqrt{26} & \sqrt{26} \\ 0 & \sqrt{26} \end{bmatrix}$

5/26 5/26 0 4 5/26 1-1/26 0 2

 2×3 3×1

 $= \begin{vmatrix} 20\sqrt{26} \\ -4\sqrt{26} \end{vmatrix}$

= \ \frac{1}{\sqrt{26}}

 $=\frac{2}{\sqrt{26}}\begin{vmatrix} 2.5 \\ -0.5 \\ 0 \end{vmatrix}$

 $= \begin{bmatrix} 3 \\ 2 \\ 0 \end{bmatrix} - \frac{13}{26} \begin{bmatrix} 1 \\ 5 \end{bmatrix}$

$$U2 = \begin{bmatrix} 3 \\ 2 \\ 0 \end{bmatrix}$$

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