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Figure 6.1. Rectangular, Cylindrical, And Spherical Coordinate Systems. The Cross Product Of These Vectors Is $\mathbf{A} \times \mathbf{B} = \begin{vmatrix} \hat{x} & \hat{y} & \hat{z} \\ A_1 & A_2 & A_3 \\ B_1 & B_2 & B_3 \end{vmatrix} = (A_2 B_3 - A_3 B_2)\hat{x} + (A_3 B_1 - A_1 B_3)\hat{y} + (A_1 B_2 - A_2 B_1)\hat{z}$, (6.3) Where \hat{x} (pronounced "x Hat") Is A Unit Vector In The x_1 Direction. The ... Jan 15th, 2024

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