

The dyadic product of two vectors results in a tensor, as follows:

$$\underline{\mathbf{v}} \underline{\mathbf{w}} = \begin{bmatrix} v_1 w_1 & v_1 w_2 & v_1 w_3 \\ v_2 w_1 & v_2 w_2 & v_2 w_3 \\ v_3 w_1 & v_3 w_2 & v_3 w_3 \end{bmatrix} .$$