$$\nabla \cdot \left( \underline{u} \left( \underline{v} \cdot \underline{w} \right) \right) = \partial_i \left( u_i \quad v_i \, \underline{w}_i \right) = \left( \partial_i \, u_i \right) \, v_j \, \underline{w}_j + \, u_i \, \partial_i \, \underline{v}_j \, \underline{v}_j + \, u_i \, \partial_i \, \underline{w}_j \, \underline{v}_j = 0$$

INTEGRATION + DIVERGENCE THEOREM:

$$=0 \Longrightarrow \left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{\Lambda}' \overrightarrow{n} \right) = -\left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{n}' \overrightarrow{\Lambda} \right) - \left( (\Delta \cdot \overrightarrow{n}) \overrightarrow{\Lambda}' \overrightarrow{n} \right)$$

$$=0 \Longrightarrow \left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{\Lambda}' \overrightarrow{n} \right) = -\left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{n}' \overrightarrow{\Lambda} \right) - \left( (\Delta \cdot \overrightarrow{n}) \overrightarrow{\Lambda}' \overrightarrow{n} \right)$$

$$=0 \Longrightarrow \left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{\Lambda}' \overrightarrow{n} \right) = -\left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{n}' \overrightarrow{\Lambda} \right) - \left( (\Delta \cdot \overrightarrow{n}) \overrightarrow{\Lambda}' \overrightarrow{n} \right)$$

$$=0 \Longrightarrow \left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{\Lambda}' \overrightarrow{n} \right) = -\left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{n}' \overrightarrow{\Lambda} \right) + \left( (\overrightarrow{n} \cdot \Delta) \overrightarrow{n}' \overrightarrow{\Lambda} \right)$$

$$= -\left( (\overrightarrow{u} \cdot \overrightarrow{D}) \overrightarrow{n}, \overrightarrow{n} \right) + \frac{1}{2} \left( (\overrightarrow{D} \cdot \overrightarrow{n}) \overrightarrow{n}, \overrightarrow{n} \right) = -\left( (\overrightarrow{u} \cdot \overrightarrow{D}) \overrightarrow{n}, \overrightarrow{n} \right) - \frac{1}{2} \left( (\overrightarrow{D} \cdot \overrightarrow{n}) \overrightarrow{n}, \overrightarrow{n} \right) = - \overline{C} \left( \overrightarrow{n}, \cancel{n}, \overrightarrow{n} \right)$$

SKEW SYMHETRIC FORM

Also equivalent to 
$$\frac{1}{2} \left[ \left( (\underline{u} \cdot \overline{v}) \underline{v}, \underline{w} \right) - \left( (\underline{u} \cdot \overline{v}) \underline{w}, \underline{v} \right) \right].$$