Proof of $\forall \cdot (\phi \overrightarrow{A}) = \overrightarrow{A} \cdot \overrightarrow{\forall} \phi + \phi \overrightarrow{\forall} \cdot \overrightarrow{A}$

 $\vec{\nabla} \cdot (\phi \vec{A}) = \partial i (\phi A i) = \phi \partial i A i + A i \partial i \phi$

Which is turnal

(SMPAL