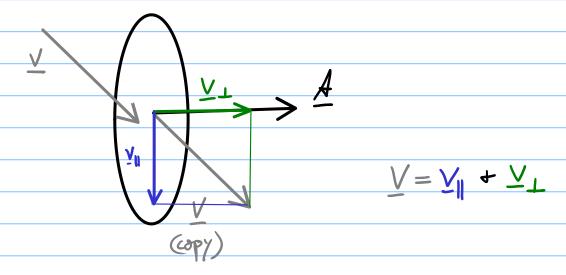
Fluid Dynamics, Lecture Notes, Chap. 4, p. 7



$$\dot{V} = \nabla \cdot A = (\nabla_{\parallel} + \nabla_{\perp}) \cdot A$$

$$= \nabla_{\parallel} \cdot A + \nabla_{\perp} \cdot A$$

$$= \nabla \cdot A + \nabla \cdot A$$

Chap. 4, p. 10 & 15: sign of dot product

