

$\Delta U = \int_{U_1}^{U_2} \frac{1}{\beta} dU = \int_{U_1}^{U_2} \frac{1}{\beta} \frac{dU}{d\beta} d\beta$
 $= \int_{U_1}^{U_2} \frac{1}{\beta} \frac{d}{d\beta} \left(\frac{1}{\beta} \right) d\beta$



$\Delta U = \int_{\Delta} \nabla \cdot \mathbf{U} = \int_{\Delta} \nabla \cdot \mathbf{v} = \int_{\Delta} \nabla \cdot \mathbf{u}$
 $= \int_{\Delta} \nabla \cdot \mathbf{u} = \int_{\Delta} \nabla \cdot \mathbf{u} = \int_{\Delta} \nabla \cdot \mathbf{u}$