

like a worten bottle and shampoo.

dets write the S and Z egno. in the form of forcing  

$$V = c + v \cdot Z$$
  
 $\overrightarrow{Z} = - \nabla h \cdot Z$   
 $\overrightarrow{Z} = - \nabla z - w \cdot k \times \frac{\partial v}{\partial p}$   
 $\overrightarrow{D} = - \nabla h \cdot (\overline{D} + KE) - \overline{ha} \times \overline{v}$   
 $KE = \frac{1}{2} (u^2 + v^2)$   
 $ha = \frac{\partial v}{\partial p} + \overline{z} \cdot \overline{k}$ 

Let's integrate over an area A and invote the div theorem:

$$\int \int \frac{\partial z}{\partial t} dA = -\int \int \nabla_{h} \cdot \vec{z} dA$$
  
=  $-\oint \vec{z} d\ell$  Divergence Hebrem

$$\int \int \frac{\partial \delta_{w}}{\partial t} dA = \int \int \frac{\partial F}{\partial t} d\theta$$
  
$$\frac{\partial I}{\partial t} = -\int \frac{\partial F}{\partial t} d\theta$$
  
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