

$$v=(u,v,w)$$

$$pf_{\Delta t}u^*$$

$$u^*$$

$$v\frac{v-v^*}{\Delta t}=-\nabla p\nabla\frac{\nabla\cdot v-\nabla\cdot v^*}{\nabla t}=-\nabla^2p\nabla\cdot v=0-\frac{\nabla\cdot v^*}{\nabla t}=-\nabla^2p$$

$$\frac{v-v^*}{\Delta t}T\rho=-\nabla p\Delta t$$

$$z=(0,0,1)T_{amb}\alpha\beta$$

$$\epsilon>0h$$

$$\Delta t$$