

$$P_u^{1/2}P_{\dot{w}+\dot{w}^*}^{-1}P_{\dot{u}}^{1/2}x\mathcal{J}_y^{\ell a/2}$$

$$w=\overbrace{e-z}^{\circ}\underbrace{e+z}$$

$$\dot{w}+\dot{w}^*=\overbrace{e-\dot{z}}^{\circ}\underbrace{e+\dot{z}}+\underbrace{e+\dot{z}^*}\overbrace{e-\dot{z}^*}^{\circ}=\overbrace{e-\dot{z}}^{\circ}\overbrace{(e+\dot{z})\underbrace{e-\dot{z}^*}^{\circ}+e-\dot{z}\underbrace{e+\dot{z}^*}^{\circ}}^{\circ}\overbrace{e-\dot{z}^*}^{\circ}=2\overbrace{e-\dot{z}}^{\circ}\underbrace{e-\dot{z}\dot{z}^*}_{\circ}\overbrace{e-\dot{z}^*}^{\circ}$$

$$\overbrace{\dot{w}+\dot{w}^*}^{\circ}=\underbrace{e-\dot{z}^*}_{\circ}\overbrace{e-\dot{z}\dot{z}^*}^{\circ}\underbrace{e-\dot{z}}$$

$$u=w+\dot{w}^*=\overbrace{e-\dot{z}}^{\circ}\underbrace{e-\dot{z}\dot{z}^*}_{\circ}\overbrace{e-\dot{z}^*}^{\circ}$$

$$\dot{u}=\dot{w}+\dot{w}^*=\overbrace{e-\dot{z}}^{\circ}\underbrace{e-\dot{z}\dot{z}^*}_{\circ}\overbrace{e-\dot{z}^*}^{\circ}$$