

$$\begin{array}{ccc}
\zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}^{01} & \xrightarrow{=} & \frac{\bar{\partial} \gamma = \frac{\partial \gamma}{\partial \bar{z}} d\bar{z}}{\gamma \in \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}} \\
\downarrow i & & \\
\zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}^{01} & \xrightarrow{=} & \frac{\varphi d\bar{z}}{\bar{\partial} \varphi d\bar{z} = 0} \\
\downarrow j & & \\
\zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}^{01} & \xrightarrow{=} & \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}^{01} \quad \Gamma \quad \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C}^{01}
\end{array}$$

$$U \text{ deck } \gamma \in \begin{array}{c} +1 \\ \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \end{array} \subset \begin{array}{c} +1 \\ \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \end{array} = \begin{array}{c} +1 \\ \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \end{array}$$

$$\Rightarrow \forall \gamma \in \begin{array}{c} +0 \\ \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \end{array}$$

$$\begin{aligned}
& UV \gamma \begin{array}{c} \bar{U} \\ \bar{V} \end{array} U \gamma - V \gamma \\
\Rightarrow 0 & \begin{array}{c} \bar{U} \\ \bar{V} \end{array} \frac{\partial UV \gamma}{\partial \bar{z}} \begin{array}{c} \bar{U} \\ \bar{V} \end{array} \frac{\partial U \gamma}{\partial \bar{z}} - \frac{\partial V \gamma}{\partial \bar{z}} \\
& \Rightarrow \frac{\partial U \gamma}{\partial \bar{z}} \begin{array}{c} \bar{U} \\ \bar{V} \end{array} \frac{\partial V \gamma}{\partial \bar{z}}
\end{aligned}$$

$$\Rightarrow \forall \gamma \in \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \frac{\partial U \gamma}{\partial \bar{z}} \bar{V} \gamma$$

$$\Rightarrow \forall \gamma \in \zeta_r \begin{array}{c} \triangleleft \\ \infty \\ \triangleleft \end{array} \mathbb{C} \frac{\partial \gamma}{\partial \bar{z}} = 1$$

$$U\gamma = U^1 - \frac{U}{\sqrt{1-U^2}} \in U^1 \mathbb{C} \Rightarrow \gamma \in \mathbb{C}^+ \mathbb{C}^r \mathbb{C}$$

$$U\gamma - V\gamma_{UV} = U^1 - V^1_{UV} = U^1 - V^1_{UV}$$

$$\frac{\partial_U \gamma}{\partial \bar{z}} \bar{U} - \frac{\partial_U \gamma}{\partial \bar{z}} - \frac{\partial \gamma}{\partial \bar{z}} \bar{U} - \gamma = 0$$