$\boldsymbol{X}^n_{\mathbb{C}}$ Kahler

Kahler form ω

non-vanishing n- form Ω

$$Y_{\mathbb{R}}^{n} \xrightarrow{\mathfrak{i}} X \Leftrightarrow \begin{cases} \mathfrak{i}^{*}\omega = 0 \\ \mathfrak{i}^{*}\left(\Omega + \bar{\Omega}\right) = \operatorname{Vol}_{Y} \end{cases}$$