

Jordan

$$\underline{K}_w^\nu = \Delta_w^{-\nu}$$

$$\det \underline{g}^{zg} \Delta_{wg}^{-p} \det \underline{g}^{w*} = \Delta_w^{-p} \text{ Bergman kernel}$$

$$\overbrace{\det \underline{g}^{zg}}^{\nu/p} \Delta_{wg}^{-\nu} \overbrace{\det \underline{g}^{w*}}^{\nu/p} = \Delta_w^{-\nu} \text{ weighted Bergman kernel}$$

Jordan

$$\underline{K}_w^\nu = e^{-z\bar{w}} \Delta_w^{-\nu}$$