

$$\hat{H}_{2d}\psi(z, \bar{z}) = C_1 \hat{H}_{2d, i}\psi(z, \bar{z}) + C_2 \hat{H}_{2d, m}\psi(z, \bar{z})$$

$$\hat{H}_{2d, i}\psi(z, \bar{z}) = \frac{1}{4\pi} \int d^2w K(w, \bar{w}, z, \bar{z}) [\psi(w, \bar{w}) - \psi(z, \bar{z})]$$

$$\hat{H}_{2d, m}\psi(z, \bar{z}) = j(z, \bar{z})\psi(z, \bar{z})$$