

$$B_{\mathbb{R}} \subset B_{\mathbb{R}}^{\mathbb{C}}$$

$$r_{\mathbb{C}} = 2r: \quad a_{\mathbb{C}} = a$$

$$\varkappa_{\mathbb{C}} = \varkappa \bar{\varkappa}$$

$${}_{z:\bar{w}}\Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}} = \frac{(d_Z/2r) \varkappa^z K_w^{\varkappa}}{d_Z^{\varkappa}} = \frac{(d_X/r) \varkappa^z K_w^{\varkappa}}{d_X^{\varkappa}}$$

$$\Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}} \star \Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}} = \frac{(d_X/r) \varkappa (d_Z/2r) \varkappa}{d_X^{\varkappa}}$$

$$\frac{\Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}} \star \Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}}}{\Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}} \star_{\nu} \Phi_{\mathbb{C}}^{\varkappa\bar{\varkappa}}} = (\nu)_{\varkappa}^2$$