

$$\begin{aligned}\Omega \mathcal{K}_\sigma^\nu &= \Gamma_{\varrho-\sigma} \Gamma_{\varrho+\nu-\sigma} \\ \Omega \mathcal{J}_\sigma^\nu &= \frac{\Gamma_{\nu+d/r} \Gamma_\sigma}{\Gamma_{\nu+d/r-\sigma^*}}\end{aligned}$$