$$c_+^{(2)}(F;G;\mathbf{p},\mathbf{q}) = -2\pi i \int\limits_{[\mathbb{R}-i\delta]} dk^0 \, \left(\mathrm{Res}_{p^0=-E(\mathbf{p})} + \mathrm{Res}_{p^0=k^0-E(\mathbf{p}-\mathbf{k})}\right) \omega(F,G;p,p-k) \tag{26}$$

$$= -\int\limits_{[\mathbb{R}-i\delta]} dk^0 \int\limits_{\mathcal{C}_{\mathrm{Wick}}(k)} dp^0 \, \omega(F,G;p,p-k) = -\frac{ie^2}{(2\pi)^4} \int\limits_{[\mathbb{R}-i\delta]} dk^0 F_\mu(k) G_\nu(-k) \int\limits_{\mathcal{C}_{\mathrm{Wick}}(k)} dp^0 \, \omega^{\mu\nu}(p,k)$$

$$\text{with} \qquad \omega^{\mu\nu}(p,k) := \mathrm{tr}\left[\gamma^\nu (\not{p} - m)^{-1} \gamma^\mu (\not{p} - \not{k} - m)^{-1}\right] . \tag{27}$$