Born equation

$$\frac{2s}{\pi\alpha^2}\ \frac{d\sigma}{d\cos\theta}(e^+e^- \to f\bar{f}) = \left|\frac{1}{1-\Delta\alpha}\right|^2 (1+\cos^2\theta)$$

$$+ 4\,\mathrm{Re}\left\{\frac{2}{1-\Delta\alpha}\ \chi(s)\left[\hat{g}^e_\nu\hat{g}^f_\nu\,(1+\cos^2\theta) + 2\ \hat{g}^e_a\hat{g}^f_a\cos\theta\right]\right\}$$

$$+ 16|\chi(s)|^2\left[(\hat{g}^{e^2}_a + \hat{g}^{e^2}_v)(\hat{g}^{f^2}_a + \hat{g}^{f^2}_v)(1+\cos^2\theta) + 8\ \hat{g}^e_a\ \hat{g}^f_a\ \hat{g}^e_v\hat{g}^f_v\cos\theta\right]$$