$$I[g_{\mu\nu}, A_\mu, \ldots] = \int \mathrm{d}^4x \, \sqrt{-g} \left(\frac{M_p^2}{2} R + \Lambda + \alpha R^{\mu\nu} R_{\mu\nu} R + \beta F_{\mu\nu} F^{\mu\nu} R^2 + \ldots \right)$$