$$\frac{u_{o_1}}{u_{i_1}} = \left(\left. \frac{u_{o_1}}{u_{i_1}} \right|_{u_{i_2}=0} \right) * \frac{1 + \dfrac{\left. \dfrac{u_{o_2}}{u_{i_2}} \right|_{u_{o_1}=0}}{-\left. \dfrac{u_{o_2}}{u_{i_2}} \right|_{ext}}}{1 + \dfrac{\left. \dfrac{u_{o_2}}{u_{i_2}} \right|_{u_{i_1}=0}}{-\left. \dfrac{u_{o_2}}{u_{i_2}} \right|_{ext}}} \tag{1}$$