

Resistances:

$$R_{Z4} = \frac{R_D/3 + R_{Z3}}{2} \qquad R_{Z3} = \frac{R_A \cdot (R_S + R_{Z2})}{R_A + R_S + R_{Z2}} \qquad R_{Z2} = \frac{R_A \cdot R_{Z1}}{R_A + R_{Z1}} \qquad R_{Z1} = \frac{R_1 + R_2}{2}$$

Voltages (U_{G} - generator amplitude, U_{cap} - voltage jump at the injection capacitors):

$$U_{GG} = 2 \cdot U_{G} \cdot \frac{R_{Z4}}{R_{G} + R_{D}/3 + R_{Z4}} \qquad U_{A} = U_{GG} \cdot \frac{R_{Z3}}{R_{D}/3 + R_{Z3}} \qquad U_{D} = U_{A} \cdot \frac{R_{Z2}}{R_{S} + R_{Z2}}$$

$$U_{cap} = U_{D} \cdot \frac{R_{2}}{R_{1} + R_{2}}$$