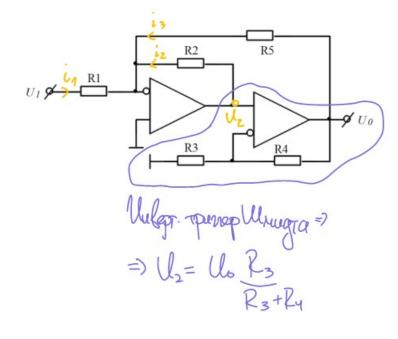
## **HW7 Khaetskaya Daria**

Status	ready
✓ checkbox	<b>✓</b>
class	Electronics
due date	@November 18, 2021



$$\frac{U_{1}}{R_{1}} = \frac{U_{2}}{R_{2}} + \frac{0 - U_{0}}{R_{5}}$$

$$\frac{U_{1}}{R_{1}} = -\frac{U_{2}}{R_{2}} - \frac{U_{0}}{R_{5}}$$

$$\frac{U_{1}}{R_{1}} = -\frac{U_{0}R_{3}}{R_{2}} - \frac{U_{0}}{R_{5}}$$

$$\frac{U_{1}}{R_{1}} = -\frac{U_{0}R_{3}}{R_{2}(R_{3}+R_{4})} - \frac{U_{0}}{R_{5}} = -\frac{U_{0}R_{3}R_{5} - U_{0}R_{2}(R_{3}+R_{4})}{R_{5}R_{5}} = -\frac{U_{0}R_{3}R_{5} - U_{0}R_{5}(R_{5}+R_{4})}{R_{5}R_{5}} = -\frac{U_{0}R_{3}R_{5} - U_{0}R_{5}(R_{5}+R_{4})}{R_{5}R_{5}} = -\frac{U_{0}R_{3}R_{5} - U_{0}R_{5}(R_{5}+R_{4})}{R_{5}R_{5}} = -\frac{U_{0}R_{5}R_{5}}{R_{5}} = -\frac{U_{0}R_{5}R_{5}}$$

$$= -ll_{0} \frac{P_{3} \cdot P_{5} + P_{2}(P_{3} + P_{4})}{P_{5} P_{2}(P_{3} + P_{4})}$$

$$K_{u} = \frac{U_{0}}{U_{1}} = -\frac{P_{5} P_{2}(P_{3} + P_{4})}{P_{1}(P_{3} P_{5} + P_{2}(P_{3} + P_{4}))}$$

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