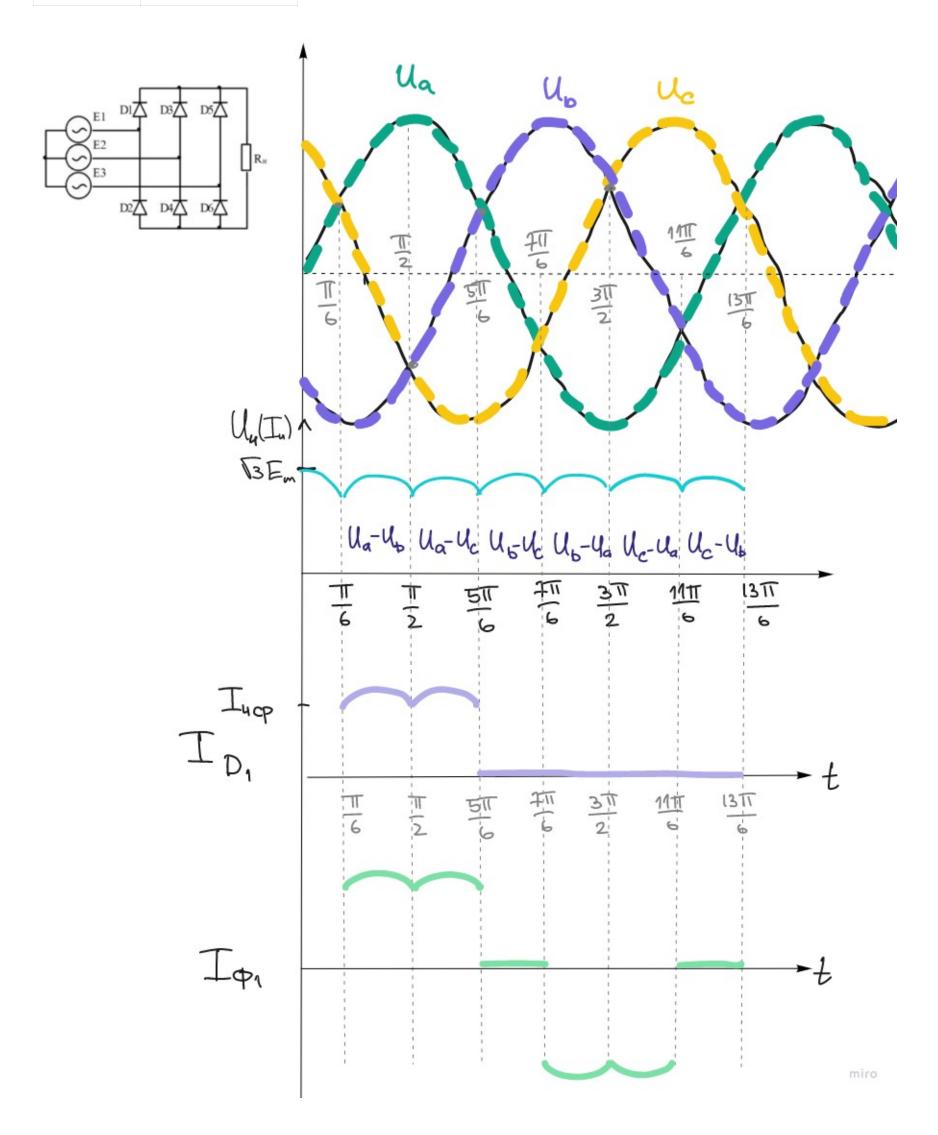


Задача 5 Хаецкая Дарья

Status	ready
	✓
• class	Electronics
due date	@October 21, 2021



Задача 5 Хаецкая Дарья

$$\begin{aligned}
& \bigcup_{H,QP} = \frac{1}{T} \int_{0}^{T} U(t) dt = \frac{3U_{m}}{T} \int_{0}^{T} \sqrt{3} \sin(x + \frac{\pi}{6}) dx = \\
&= \frac{3\sqrt{3}U_{m}}{T} \left(-\cos(x + \frac{\pi}{6}) \right) \Big|_{\frac{\pi}{6}}^{\frac{T}{2}} = \frac{3\sqrt{3}U_{m}}{T} \approx 1,65 U_{m} \approx 1,33 U_{ms} \\
& \bigcup_{DP,D_{m}} = \sqrt{3} \cdot E_{m} = \sqrt{3} \cdot U_{m} \\
& \coprod_{H,QPD} = \frac{U_{HQPD}}{R_{u}} = \frac{3\sqrt{3}}{T} \cdot \frac{U_{m}}{R_{u}} \\
& \coprod_{H,QPD} = \sqrt{\frac{1}{T} \int_{0}^{T} u^{2}(t) dt} = \sqrt{\frac{3}{T} \int_{0}^{T} \prod_{H,QPD} dt} = \sqrt{\frac{3}{T} \prod_{H,QPD} \frac{1}{3}} = |\prod_{H,QPD} I_{M,QPD}| \\
& \coprod_{H,QPD} = \sqrt{\frac{1}{T} \int_{0}^{T} u^{2}(t) dt} = \sqrt{\frac{3}{T} \int_{0}^{T} \prod_{H,QPD} dt} = \sqrt{\frac{3}{T} \prod_{H,QPD} \frac{1}{3}} = |\prod_{H,QPD} I_{M,QPD}| \\
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& \coprod_{H,QPD} = \sqrt{\frac{3}{T} \int_{0}^{T} u^{2}(t) dt} = \sqrt{\frac{3}{T} \int_{0}^{T} u^{2}(t) dt} = \sqrt{\frac{3}{T} \int_{0}^{T} u^{2}(t) dt} = \sqrt{\frac{3}{T} \prod_{H,QPD} \frac{1}{3}} = \sqrt{\frac{3$$

$$T_{Drms} = \sqrt{\frac{1}{T}} \int_{0}^{1} \frac{1}{1} \int_{0}^{1} \frac{1}{1} \int_{0}^{2\pi} \frac{1}{1} \int_{0}^{2\pi}$$

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