

Co = Velore necessars di Rc per bilanciere la tensione (VAB=0)

AB:DE = CB: CE

$$\frac{C_2 - C_1}{C_2 - C_0} = \frac{\lambda_2 - \lambda_4}{\lambda_4} - 0 \quad C_2 - C_0 = \frac{\lambda_1 (c_2 - c_1)}{\lambda_2 - \lambda_1}$$

$$-0 \quad C_0 = -\frac{\lambda_1 (c_2 - c_1)}{\lambda_1 - \lambda_1} + C_2$$



$$V_e = \sqrt{\frac{1}{T}} \int_0^T f^2(x) dx$$

Errore di =0
$$N^2 = \frac{1}{\alpha} \int_{-\frac{\alpha}{2}}^{\frac{\alpha}{2}} f^2(t) dt = \frac{q^2}{12}$$
 POTEU 20. RUMORE

IN= Sin(x)

$$S_{RMS} = \frac{A^2}{2}$$
 Roteuzo della sinus.

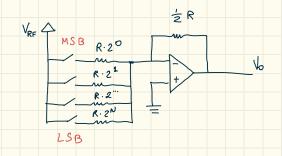
$$SNR = 20 \log_{10} \frac{S_{RMS}}{N_{RMS}} = 10 \log_{10} \left(\frac{S_{RMS}}{N_{RMS}}\right)^2 = 10 \log_{10} \frac{S_{RMS}^2}{N_{RMS}}$$

$$N^{2} = \frac{Q^{2}}{12} = mQ \quad Q = \frac{FS}{2^{n}} \quad e \quad FS = 2A \qquad -b \quad Q = \frac{2A}{2^{n}} \quad -b \quad Q^{2} = \frac{A^{2}}{2^{(n-4)}}$$

$$A^{2} \qquad A^{2} \qquad A^{2} \qquad A^{2} \qquad A^{2} \qquad A^{2} \qquad A^{3} \qquad A^{4} \qquad A^{4$$

$$SNR = 40 \log_{10} \frac{S_{RMS}^{2}}{N_{RMS}^{2}} = 10 \log_{\frac{1}{2}} \frac{A^{2}}{2} = 10 \log_{\frac{1}{2}} \frac{3 \cdot 2^{n}}{2} = 10 \log_{\frac{1}{2}} (\frac{3}{2}) + 10 \log_{\frac{1}{2}} (2^{n})$$

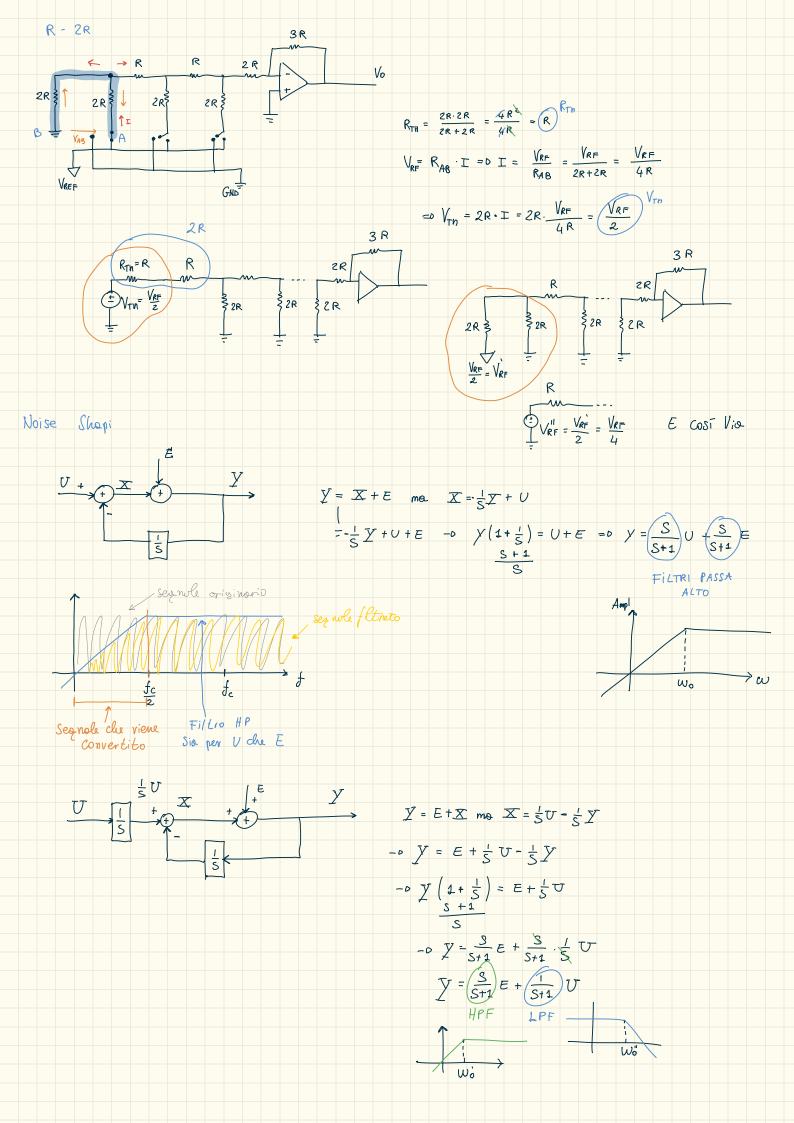
$$= 1.96 dB + n \cdot 10 \log_{\frac{1}{2}} (2) = 1.76 dB + N \cdot 6.02 dB$$

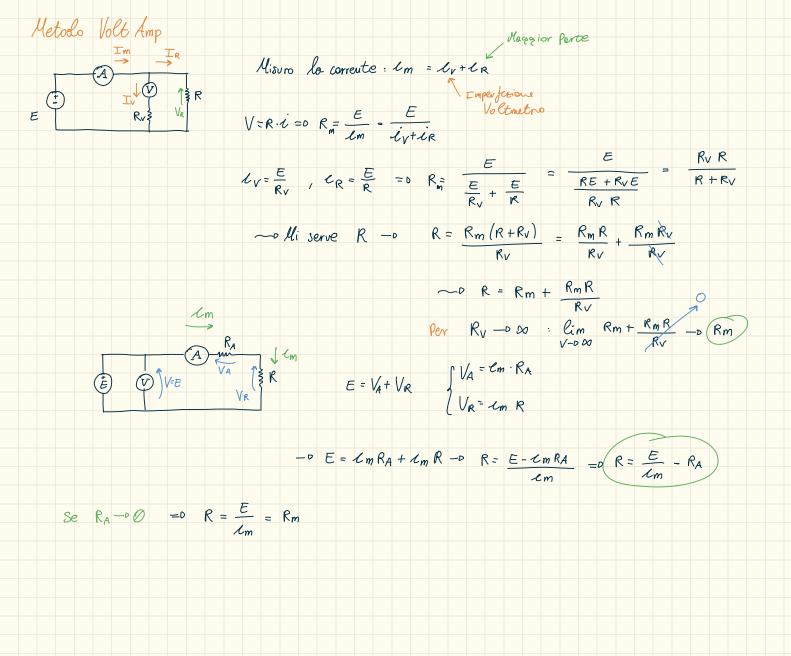


$$V_{0} = \sum_{i=0}^{N} \left(-\frac{R_{F}}{R_{i}} \right) V_{i} = -\frac{R_{F}}{R \cdot 2^{0}} - \frac{R_{F}}{R \cdot 2^{1}} - \dots - \frac{R_{F}}{R \cdot 2^{n-2}} - \frac{R_{F}}{R \cdot 2^{n-2}}$$

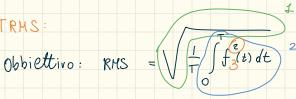
$$m_{\mathbf{Q}} R_{\mathbf{F}} = \frac{1}{2}R - 0 V_{0} = -\frac{R}{2R} \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2^{a}} - \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2R} - \frac{V_{i}}{2R} \frac{R}{2^{a}} - \frac{V_{i}}{2^{a}} - \frac{V_{i}}{2^{a}}$$

voit Vole LA META' di VIP

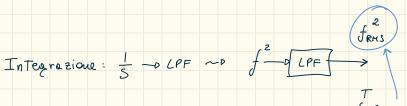






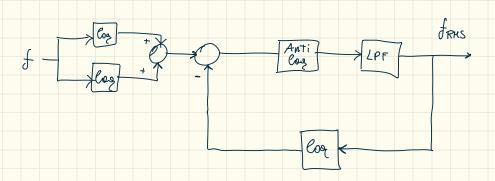


Uso i log: $\log(f^2) = 2\log(f) = \log(f) + \log(f)$



 $\frac{1}{T} \int_{T}^{T} f^{2}(t) dt = f_{RMS}$ (RADICE)

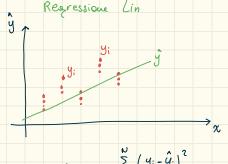
Ma ciserve frus e non frus



Media:
$$\bar{y} = \frac{1}{N} \sum_{i=1}^{N} x_i$$

Varianza:
$$\sigma^2 = \frac{1}{N-1} \sum_{i=1}^{N} (y_i - \bar{y})^2 = 0$$
 Dev STd: $\sigma = \sqrt{\frac{1}{N-1}} \sum_{i=1}^{N} (y_i - \bar{y})^2$

Incertezza:
$$u = \frac{S(x_i)}{\sqrt{N}}$$



$$R^{2} = 1 - \frac{\sum_{i=1}^{N} (y_{i} - \hat{y}_{i})^{2}}{\sum_{i=1}^{N} (y_{i} - \bar{y}_{i})}$$

$$\hat{y} = g_0 + g_1 x$$

$$\sum_{i=1}^{N} (y_i - \hat{y}_i)^2 = \sum_{i=1}^{N} (y_i - g_0 - g_1 x)^2$$

$$S_{xy} = \sqrt{\frac{\sum_{i=1}^{N} (\hat{y_i} - y_i)^2}{N - 2}}$$

$$\frac{3}{3} \left((y_1 - \hat{y}_1)^2 \right)^2 \max_{y_1 \in \mathbb{R}} \frac{y_1 + y_2 + y_3 + y_4 + y_$$