Montag, 6. Januar 2014 17:25

Hodpass on Eingung

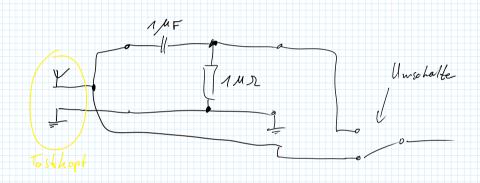
1M2 = 1,000.0002

Meinte Tusthopke one 1 M SZ obyestint vgl. S.15

$$=) 1S = R \cdot C \qquad |R = 10 R$$

$$\frac{1S}{10^{6}R} = C$$

$$C = 10^{6}F = 1\mu F$$



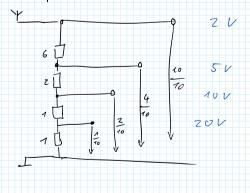
Mess bereiels wold

Soll noch der Wahl: ±2

+ 2V Amplitude

Wallbase Bereick:

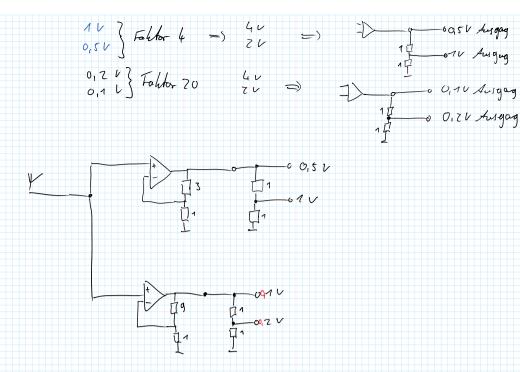
, ,, ,,	
20 V	Skolieng
10 V	$\frac{1}{C} = \frac{2}{70}$ $0, 4 = \frac{4}{70}$ Spanningsteiler
2 1	1
1 V 0,5 V 0,2 V 0,1 V	2 4 10 Verstarker 20 Wie7 E



Ever uit Fahlor 20? dan Spanngsteile Nws?

aber 20×1V=20V4 Optup mained 8V

> mehrere, die eut/ uborsteuem?



Offsetampussing

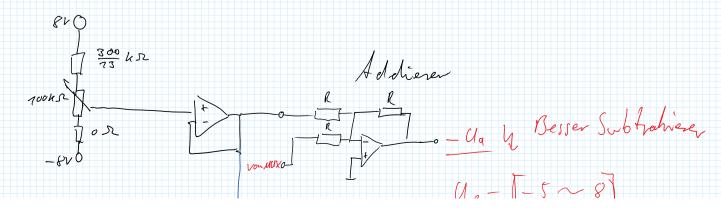
$$\frac{R_1 - R_2 + 2 d R_2 - R_3}{R_1 + R_2 + R_3} \cdot 8V = U_\alpha$$

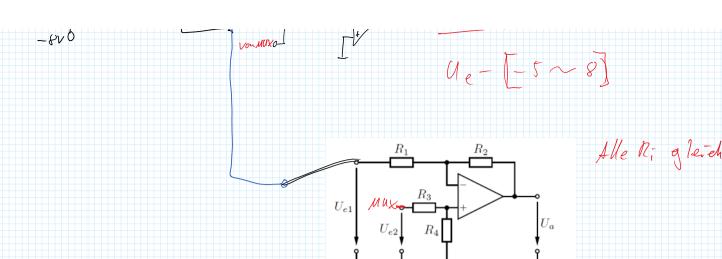
$$d = 0 \quad \frac{R_7 - R_7 - R_3}{R_{1} + R_{2} + R_{3}} \cdot gV \stackrel{!}{=} -5V$$

$$k = 1 \frac{R_1 + R_2 - R_3}{R_1 + R_2 + R_3} \cdot SV = SV$$

$$R_1 = \frac{300}{73} k R$$

$$R_3 = 0 SL$$





Erfasster Bildschirmausschnitt: 07.01.2014 14:13

Anti Aliasing-Tilte

Abtasffreguers: 38 UHZ ~ Grenzheguers 19 HHz

$$f_{g} = \frac{1}{7\pi RC} \Rightarrow 194H_{z} = \frac{1}{2\pi RC} \Rightarrow 1$$

R*C = 8.3765759522050176720465138617112822123399813547608657235... × 10^-6

Aus <http://www.wolframalpha.com/input/?i=1%2F%2819000*2+pi%29

$$\frac{1}{f} = 2\pi R(1 - 1) \frac{1}{2\pi f} = R(1 - 1)$$

Wahle Cz InF

17 nadet posseder Widersted: 8,242

Bereche Ly wit C= 1nF, R = 817 A SZ

Wahle nachst graßere n=1042

Wohle Neiherscholting 270

8,74 270 8,42452 Wohle Neiherscholtung 18,74 270

8,47452

=> Fg = 18,8 4Hz