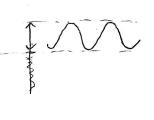
$$SpO_2 = \frac{C_{HeO_2}}{C_{HeO_2} + C_{He}} = \frac{1}{1 + \frac{C_{He}}{C_{HeO_2}}}$$
oxigén naturáció

2 merkstäl megvan ar erednen hogy len an elvbel herrileh?

artenés nahun judralai fog a vénds nahan nen!



atureacitie

tokoratlan infravoror LED-ek: hørelæbt lehet vinni ogymeishor igg al. negganart a nakan vildgetjuk at

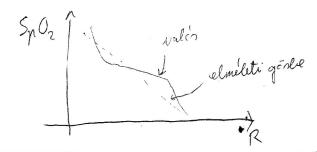
3 meres : - infraverion

gyorkin - เจ้าจั

ogymas utan ! - semmi : a hattéruildigités hibrirrébélése

200-nal hisebl a pubrus -> 3Hz hörül -> 500Hz mirtaevetel negyon his hibaval

Malitrilas, terdeles: emberehen testeltek



nem ionirale sugaras, erest werettfelen

mègis lehet ogy vendye: meghépés (minimalis vendly)

Longitudinalis hullan:

rithul

2 = E

levegelin: c = 343 m/s lagyszervet : 1540 099 : 1560

c=1480 c = 1570

C= 1475

cont: 3600

at lag 1500
$$\frac{m}{3}$$
 $\rightarrow \lambda = \frac{1500 \text{ m/s}}{2 \text{ MHz}} = 0.75 \text{ mm}$ fellontar cured biselve dolgerral new worldish irma, hanem markelesh

Köreghataban mi testerik ar UH-eal?

16 = kappa = asnenyomhatinàg, hangsesnililitas

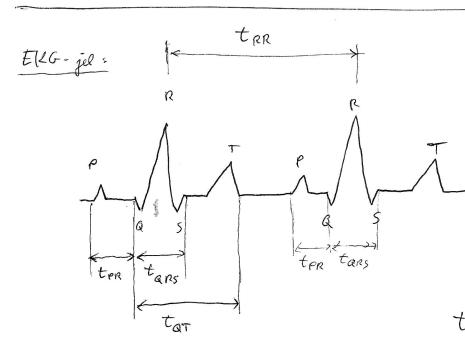
$$J_{x} = J_{0} e$$
 interrita's $\left[\frac{W}{m^{2}}\right]$

$$1 = \frac{P}{A}$$
?

$$\Gamma(x) = 10. \log \left(\frac{1}{1_0}\right) \stackrel{?}{=} 20 \lg \left(\frac{P_x}{P_0}\right)$$

linearis	dB (internition	dB(amplitude)
1	. 0	0
10	10	20
2	3 ;	6
10	_10	-20

Pl.:
$$1.=1 \text{ mV}$$
 $\frac{1}{2} \text{ M.} = 0$ $\frac{1}{1} = \frac{1}{1} = \frac{1}$



on EKG-jel nem mindig textalmas egest cilluschet, nehr himanad a QRS-hullan mindig medskøppen hell memi.

QRS váltoratlan PR, QT felveri ar PR változását tor = nufrelwenciara normalt QT-ile

$$\frac{t_{QT_c}}{t_{RR}} = \frac{t_{QT_c}}{t_{RR}} = 1$$

Kels Mehlera és milyen allari as erede velder?

$$\frac{11.}{1.} = \frac{E \cdot \cos(60^{\circ} - \alpha)}{E \cdot \cos(\alpha)} = \frac{\cos(60^{\circ} - \alpha)}{\cos(\alpha)} = 0.8$$

$$() \text{ All All } \alpha \approx 0.334 \text{ rad}$$

$$1mV = E \cdot cos \propto \Rightarrow E = \frac{1}{cos \propto} = 1.058 \text{ mV}$$

$$aVR = E \cdot co (x - 30^{\circ})$$

$$aVR = 1.04 mV$$

1. = 1 mV

11. = 0,8 mV

(11. = 11. - 1. = -0,2 mV,
$$\alpha VR = \frac{1.4V}{2} = 0.9 mV$$
)

11. = 0,8 mV

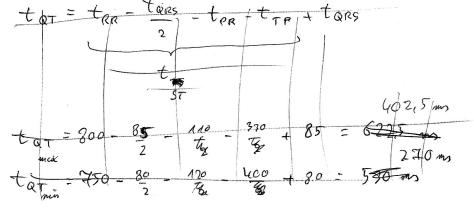
Modeliers in militar allam as exect velter?

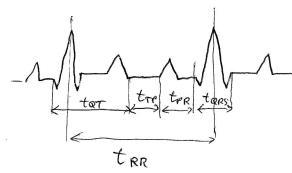
 $\alpha VR = \frac{1.4V}{2} = 0.9 mV$
 $\alpha VR = \frac{2}{3}$
 $\alpha VR = \frac{2}{3}$

cos 60° . cos d + mi 60° . mix = 0,8 ces d ccs 60° + mi 60° . tg x = 0,3

$$stg \propto = \frac{0.3}{(5)} = \frac{0.6}{5} = 19.1$$

$$f_1 = 1.25 \frac{1}{3} \rightarrow f' = 75$$
 $f_2 = 1.33 \frac{1}{3} \rightarrow f' = 80$





$$t_{\alpha T} = t_{RR} + \frac{t_{\alpha RS}}{2} - t_{TP} - t_{PR} - \frac{1}{2} t_{RRS}$$

$$t_{\alpha T_{min}} = 750 + \frac{80}{2} - 400 - 120 - \frac{85}{2} = 272,5 ms$$

$$t_{\alpha T_{max}} = 800 + \frac{85}{2} - 330 - 140 - \frac{80}{2} = 362,5 ms$$

$$60.097 = 58.2 \xrightarrow{12} 116.4 \text{ st.}$$

 $60.103 = 61.8 \xrightarrow{12} 123.6 \text{ st.}$

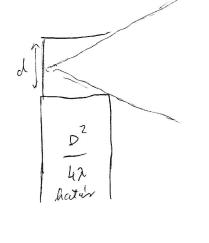
Obintech 2015 ecg 2. m (7015, 164, 243. docx)

| bricliquai jelebrél a filtfilt never } | Mothal parans bell -> Béskettetés |

Britler-Brost = maximalisan lapas nura ajciolett

alogijelveds derled - feliletereste nuse

EKG-ben a Overnoor jel 0,05 . ~ 100 Hz-1g wan



` 1	ZA
levoje"	0,00043
wir	1,48
ver	1,6 117
ZSM	1,33
Quignoro.	1,35-1,7
agy	
to a	
Cicrit	

$$R = \left(\frac{Z_{A_1} - Z_{A_2}}{Z_{A_1} + Z_{A_2}}\right)^2$$
virruserides
westlare

$$\rightarrow |-\rangle|-$$

Pl.:
$$Z_{A_2}: Z_{A_1} = 9:1$$

$$R = \left| \frac{8}{10} \right|^2 = 0.64$$

$$2^{\frac{2}{3}}$$

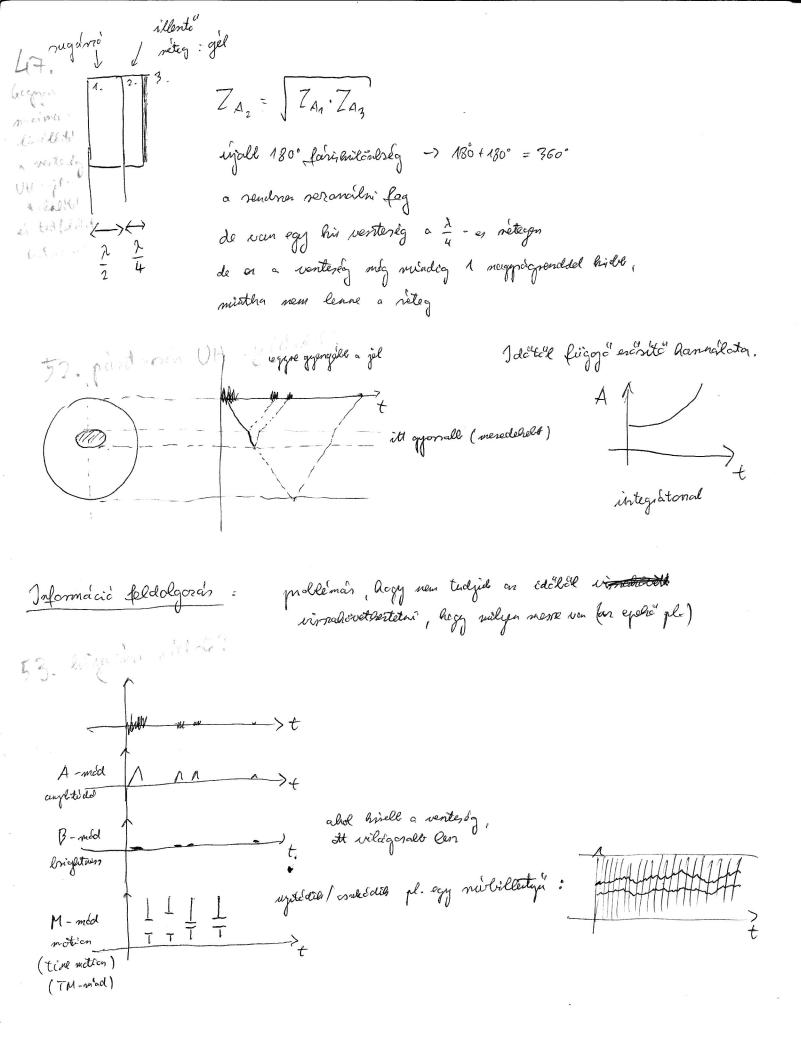
$$Z_{A_2}: Z_{A_K}: Z_{A_1} = 9:3:1$$

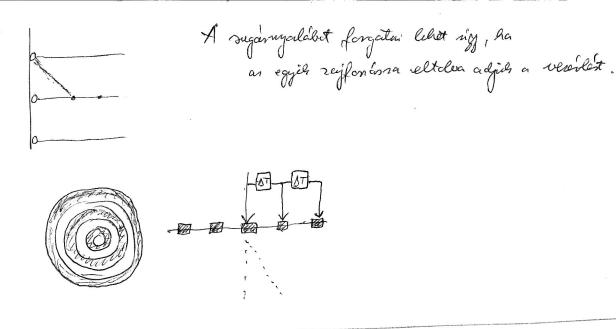
horizontation

$$R_1 = \left(\frac{Z_{A_K} - Z_{A_1}}{Z_{A_1} + Z_{A_{1K}}}\right)^2 = 0.25$$

$$R_2 = 0.25$$

vertex
$$\frac{1}{4}$$
: $\frac{1}{4}$: $\frac{1}{4}$: $\frac{1}{4}$: $\frac{4}{16}$: $\frac{4}{16}$: $\frac{3}{16}$: $\frac{2}{16}$: \frac





Birtonsdytechnika:

ar aram firializiai Antasa

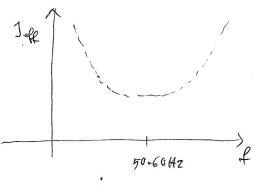
57. Mis likene was het ser herett: a siwen is atfaligik

· aramut:

tires = 100 n vegtager = 200 sz

. Lehatolas sideje: 10 ns rég nem vonélyon, 2-3 ny. adri éleverélyos

· aram forhveneisja



boldeg, widdu, örbinchemmal teli namari , depressaids

- encheles hetcha : ~ 1 m4
- fegura tout: ~ n.10 mA
- legræslæmilas : fåjdalom ~ n.100 mA
- hamai fébrilláció: ~ n.100 m.4 (information folgament)

eges, incurrations: ~ 1A

TAL

