Fun 2015

a/ 50 cm 6) V4) 10 1 - (2-4) (2-4) 1/m = 60KV K=Ri.Ca S we need Ri Ri = 2. 1.2.105 (68,2-10 +0,405.106) - [68,2.106,0,405.106]  $\frac{4(10.10^{-5} + 1.2.10^{-5})}{68.2.10^{-6} \cdot 0.40^{5.10^{-6}} \cdot 10.10^{-5}} = 378 \pi$ W= 378-1,2.10-9 = 453,9.10-9 X,= 1 68.2-10-6 = 14663 Az= 0.405.106 = 2469/36 V(L) = 132/2:10 · 4.074-10 7 - 14663. 2 - 2469/36 - 2

53,86

Grafus topposite or 
$$V_{max} = 51.9 \text{ kV}$$

$$J = \frac{57.9}{60} = 86.5\%$$

$$30\% = 15.6 = 7 + 134.6 \text{ ns}$$

$$30\% = 167 = 713 = 1.19 \text{ ps}$$

$$50\% = 26 \text{ kV} \Rightarrow$$

$$72 \approx 50 \text{ ps}$$

$$100\% = 57.0 \text{ kV} \Rightarrow$$

$$15 \text{ ns} = 45.5 \text{ kV} \Rightarrow$$

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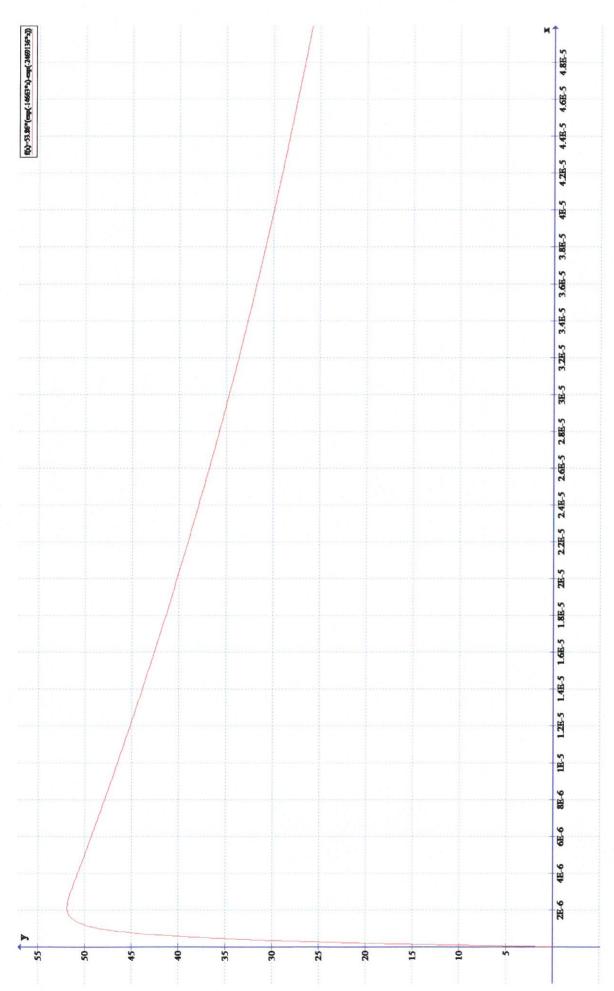
$$15 \text{ ns} = 45.5 \text{ kV} \Rightarrow$$

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$$15 \text{ ns} \Rightarrow$$

$$1$$

51.5-45,5 = 6,4 ~ 2,37 mm S=15+2,37 = 17,4 mm



Jp 2 a) bla blu 6/ Mo 8=0,186 - 10/1fon 8s - 4e Ro. Cs 0,156 = 314. Ps. 450.109 => Rs = 1/042  $Z = \frac{1}{40.10^3} = \frac{1/04 - 17077}{5.58 / 81.10}$   $Z = \frac{40.10^3}{1/04 - 17097} = \frac{5.58 / 81.10}{34.46W}$   $P = 5.58 / 1/04 = \frac{34.46W}{5.58 / 1/04}$ 9 10.10 = 5.582. R; => 321.252 => -tandsons=314.321,2.450.10 = 0.0454 El Spread over all of small mejurited of even distribution = Contract noise Of Good candition but fairly high