HU 2011 exem 9 See fine 2.25 and explanation. 6) eg (2.38) gilles 21 = 378,3 2 9 (2.26) v(t) = 1 (d2-d1) [e-x,t-ex2+7] K=378.1.2.10-5 = 454-10-3 $(\alpha_2 - \alpha_1)$ = $4.074.15^{2}$ 19(1) = 250. 454.10-7 · 4.074-107 = 224.5 kV $7(t) = 224.5 \quad (2 - 2463136 - t)$ what $V_{max} = 216 \text{ kV}$ $307. = 65 \text{ kV} = 2/.38 \cdot 10^{-7}$ $507. \quad 195 \text{ kV} = 8.48 \cdot 10^{-7}$ $5.50 \quad 7/ = 1.67 \cdot (8.48 - 1.38) \cdot 10^{-7} = 1.18 \text{ µs}$ 72 = 49,3 µS begg på graf aflæt. 2 = 216 - 0,864 2 = 258 ==

Duna = 216, 4 kU paster! $(2.37) \qquad 1 = \frac{G}{G + G} = \frac{10 \cdot 10^{-9}}{10 \cdot 10^{-9} + 62 \cdot 10^{-9}} = \frac{0.89}{=}$ e/ table 3.3 s 83 => 3=80 =1 206 kV $(3.2) \delta = \frac{P}{P_0} \frac{273+6}{273+4} = \frac{1022}{10/3} \frac{278+20}{273+8} = 1,016$ E=RAD tabel 3.5 s 85 => ka = 1,00 (3.1) VL=Vd Vdb = 100-206 = 20660 p. 87 auwan = 37. = Vd = 206 ± 6 kV

f (3.33) p. 126 Les 2712 f. 15 e 271.88.15 2.160 - 22,8 pt h 1.15 e h 3/1 2 22,8 pt m 3/1 2 first ander fruly exposential Rice = 7 - 70 R.Ce = 50000 · 228 · 15 2 = 150 ns $S = \frac{150 \cdot 10^{5}}{300 \cdot 10^{5}} = \frac{0.632}{0.32}, S = \frac{218}{0.3} = \frac{727}{10.3} = \frac{138}{10.3}$ $10 = 6 = 5 \cdot 7 = -0.632 \cdot 727 \cdot 0.3 = 138 \text{ keV}$ So luful atay is Vmons + AU = 218+ 138 = 356 LeV

