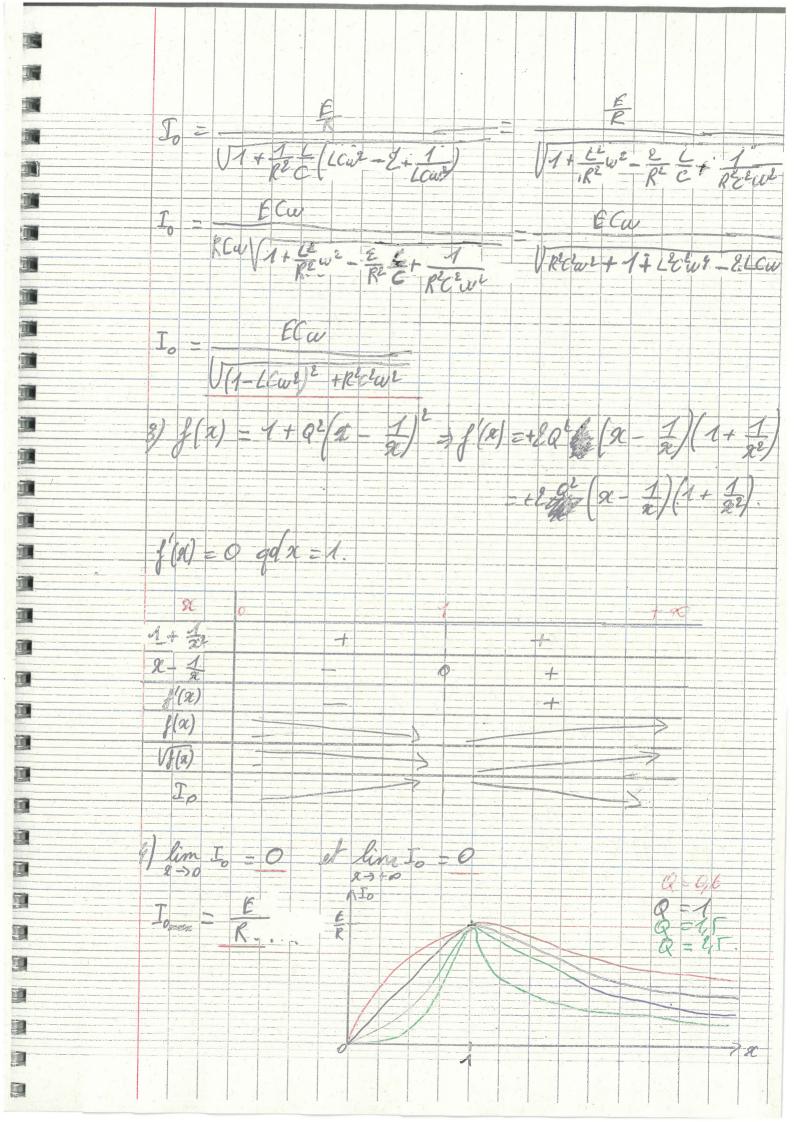
TD7: Régime sinusoidal résonance RLC série Da) elt) - Lai - Ri - Melt) = 0 ol i = colle don LCd the + RCdu + uelt = elt). 4) -60w 4(t) + RCw 4(t) + 4(t) = e(t) (=) Aclf) = - (Cw2+1+jRCw diviseur de benson : uct) -2c+21+2R ja st 1 + gles + R 1-LCal+jRCw 1-Llut +jkla d) Uco = Uc = _ E. 1(1-1(w2)2-+ f RCw)2

1/4 x0/4 xc 114-16022-18CW 14-1002 (av) 2 1-LGot BRCW ang E ang 1-1 Cut + jRCu ary A - Cust of RCar) 3) 4 - au file (w - j 1 - 1 - (w)) - and - organia - jl- land - Transact A-4Cwt Ry = - The + archan 1 Col a) Election les oraintimese f(a) = (1-x y 2 + 2) Colculor & (a) 8/18/2 = 21/20/20 = 28/10-8+892 f(x) = 0 your 20 = 0 et 20 = 1 + 1

11 4co 3 f(n) s'annule en a - 0 eff(a) >0 =) f(a) est consecute 4 est Leces Hante de rétoneence en bension sur lim U6 - E et lim U6 = 0 Q > 1/2: Umax = 4/6 (VI- 1/24) U(1-1+1)2+(1-201 11+804-8 202 K V4Q4-1 Dlus Quest grand, plus le pic de résonance est élève de pelsation de résonance lend vers la pelsation pope du vient.

d sor fa = a (1-x) = a (1-x) P(26) = Q(-4-1) = -Q(-4-1) =) [2] Macroissante e) lim 9 = 0 | los 0 = - # x x - 1 (cor = w) => q Plim 9 = I Escerice & (Jones) 1-0-18-2/ VI+ 1 (avice - avice)



5) Le gir de sesanance d'affire de mercite que a augmente of g's ang If = ang (JECW) - ang (A-1 CW + 2 PCW) II - I - ardon 1-16w archan (a(1-x2)) - archan (a(1-x)) lim 9/= 1 lim 9/= 1 Q'= 0 pour 90 = 1 0=10 91 Educate & James . 1) Z = Z + Z + Z R = Z + j Lu + R = 1-4 Cw/+gR(u) 2) 2 = | Z | = VA LCW/2 + fRCW/2 = | A-LCW/2 + ORCW/2 - | X = 1-CW/2 + CW/2 + ORCW/2 - | X = 1-CW/2 + ORCW/2 + ORCW/2 - | X = 1-CW/2 + ORCW/2 + | X = 1-CW/2 + ORCW/2 + | X = 1-CW/2 + ORCW/2 + | X = 1-CW/2 + = 1 R2 ((Lu) 2

