-> Eaperinal 6: Bordpans filter (Eapressins a rober for parameter) V_{in} R_{i} V_{in} $V_$ S 10 3 N(s)? > 0 1 1/2 5 (11-10) 2 (1 (1)-10) 2 C + 1/2 (3) (11-1ch) 2(3 (10-16) (2 1/ = 1cm + 20 (1cm-10) = NCm(1+ 1/20c) - 1/0 / 1/00 3 Jos Profis M(E), ren en le mare 800. It ontré ado an affect to the subject and we are concerned with frequency = Vin + NUSC = NI (Fr + F3 +25C) (-12x / 1/2/24xc) - sc N(2) 3 - 1/k1 2136 ς (1/4 / 1/2 / 2/2) + P352(2 z - R2/R1 & C (P2(3) 52+ (30s+ (\$1,4 \$3)

c. Companing with standard budpars filter M(c) = (2+ 400 s+ 600) $\int_{-\infty}^{\infty} A \cdot e^{2} \frac{1}{R_{1} R_{2}} \times \frac{R_{2} R_{2}}{2} = \frac{R_{2}}{2R_{1}}$ =) flowo = px/x / 1/2 cx $\frac{Coo}{06} = \frac{2C}{P_2C^2} = \frac{2}{R_2C}$ $coo = \sqrt{\frac{R_1 + \frac{1}{R_2}}{R_2}} = \frac{\sqrt{\frac{R_1 + \frac{1}{R_2}}{R_2}}}{\sqrt{\frac{R_1 + \frac{1}{R_2}}{R_2}}}$ $coo^2 z = (\frac{1}{2}, \frac{1}{2}, \frac{1}{2})$ desyn Londpor fillers with => We desire to () tol = bor = / 000 2 000 2 10 fol = 1×1/2 fo2 & 8 kHZ => Calculating rathers A vowelles; 3 e puhans. Chare
free vonelle => R1

1. PO = DR1

1. 10 = VRIAR3 JBA1

1. 2 VRIAR3

2 2 VRIRB 5 10 = TR1+P3 TP2 2 TR1P3 ~ (101) R3 = VRIAR3 -> R3 = 199 R1 (P1) (C) ((P1)(1/4)(2/4)) For filter 1 -2 (2 10/24/18) 2 10 R/x Dnf filter 2 3) (= 10/2nx3x103