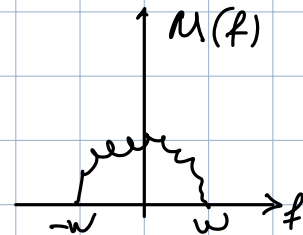
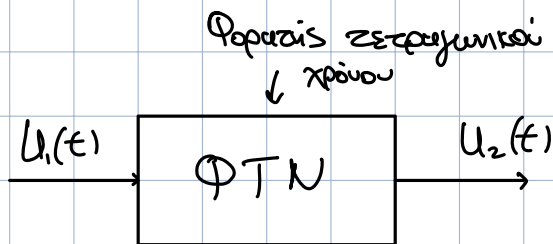


Κεφ 2-3 Ηλεκτρικές Ενέργειες (Παράδειγμα)

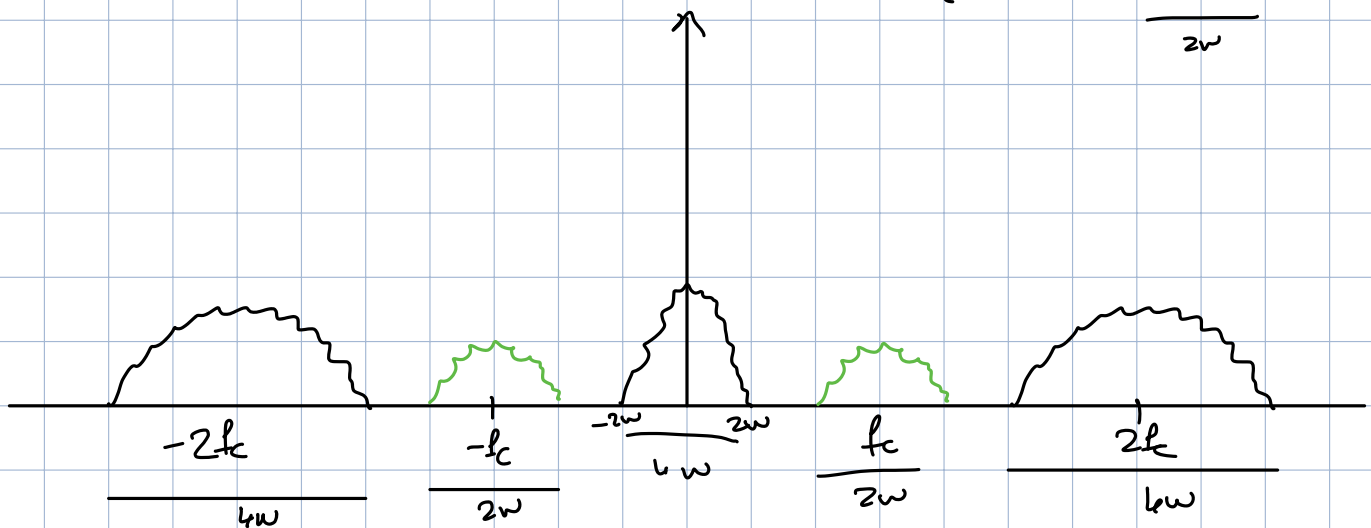
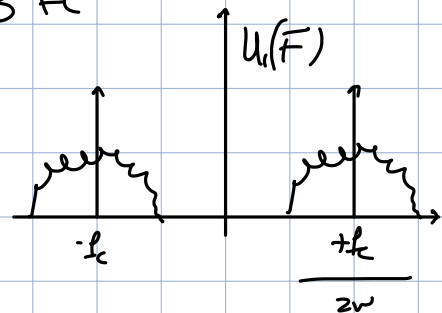
Κεφ 5 Ηλεκτρικές Ενέργειες (Παράδειγμα)

Πρόταση:

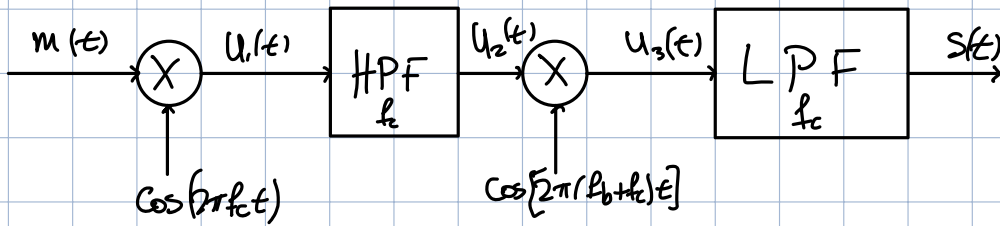
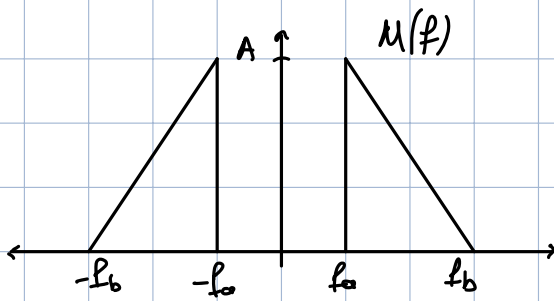


$$U_1(t) = A_c [1 + k_m m(t)] \cos(2\pi f_c t) \rightarrow \text{DSB FC}$$

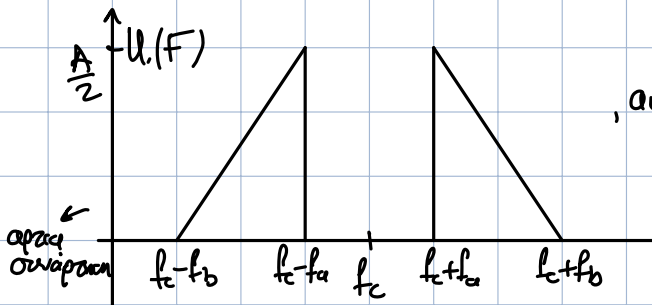
$$U_2(t) = a_1 U_1(t) + a_2 U_1^2(t)$$



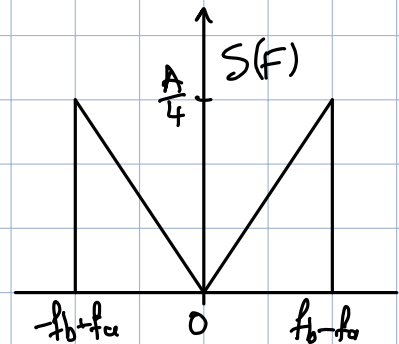
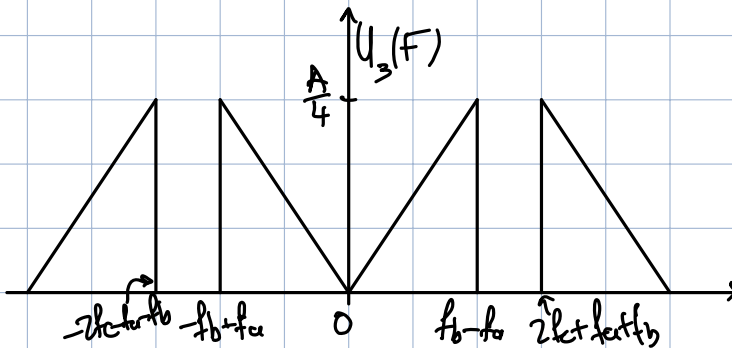
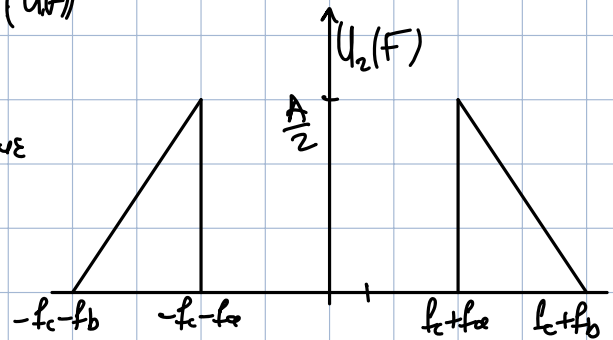
Ασκήση:



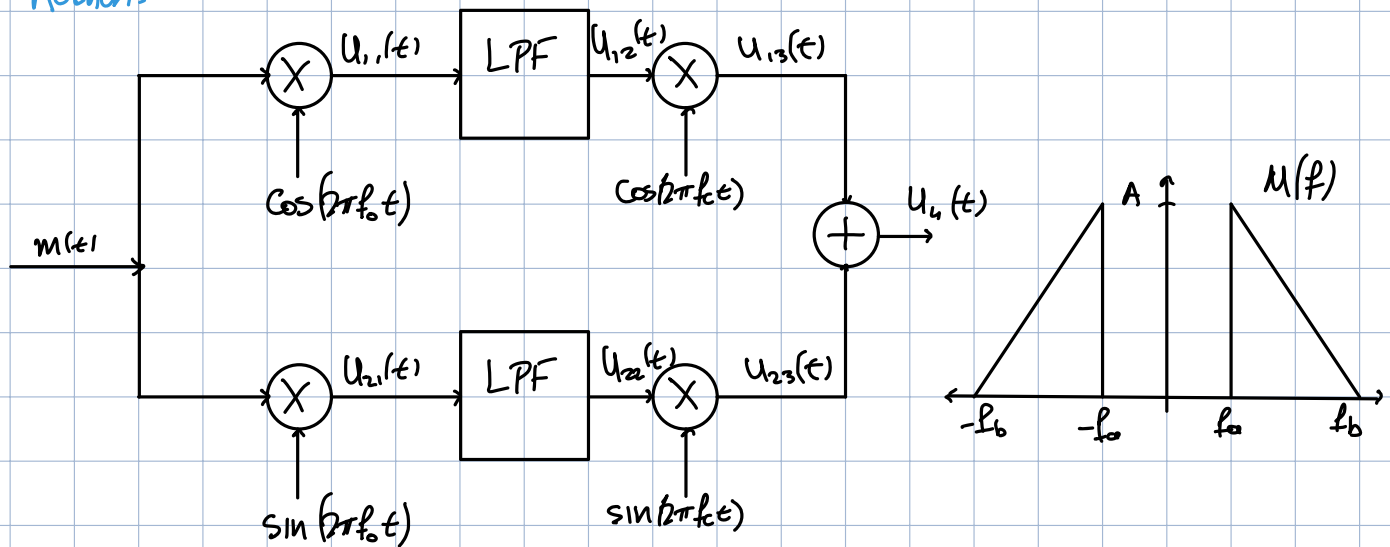
για χρονολογία κανάλι με πόνο και θόρυβο μη ισιζόμενα ($U(F)$)



, αφού έχουμε
HPF: f_c

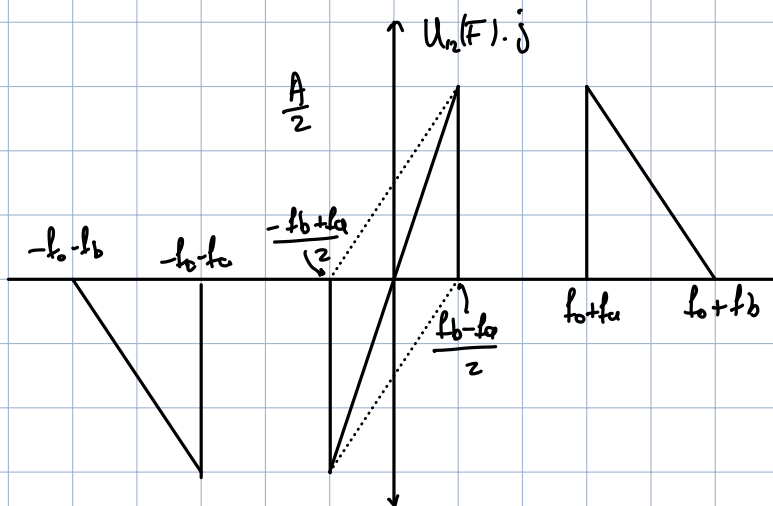
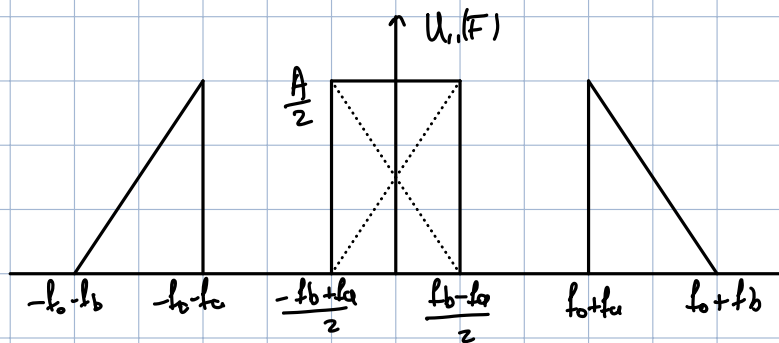


Άσκηση:

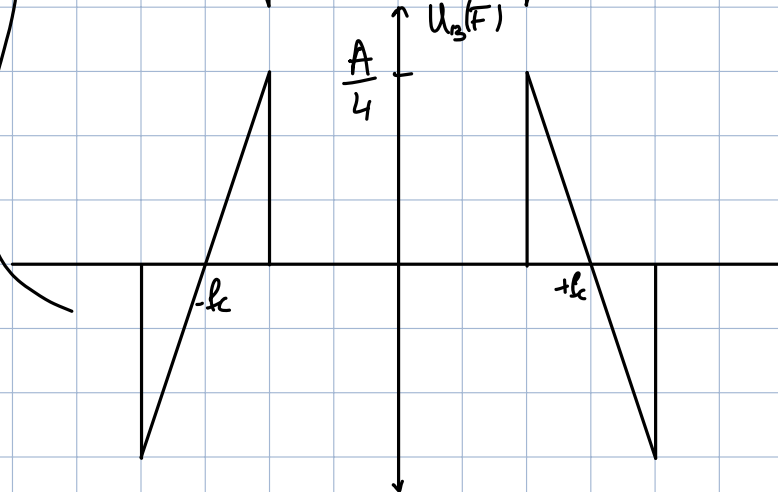
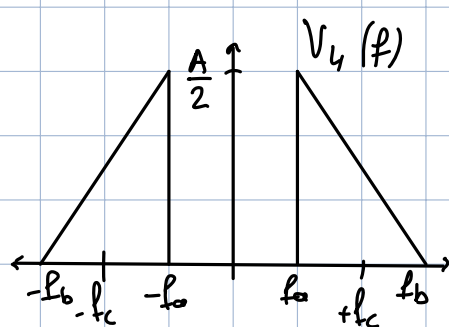
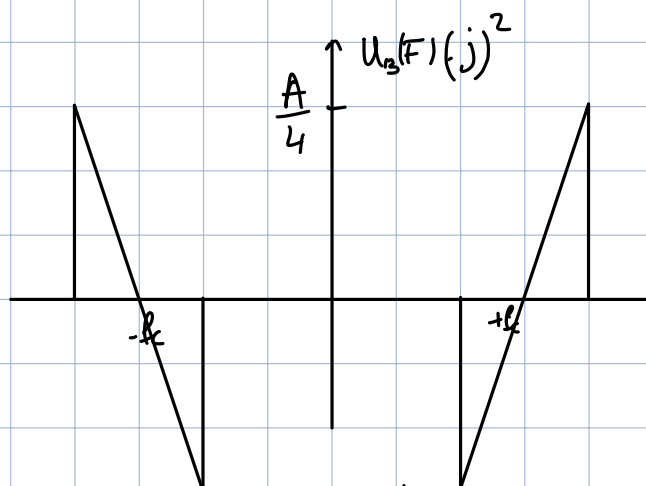
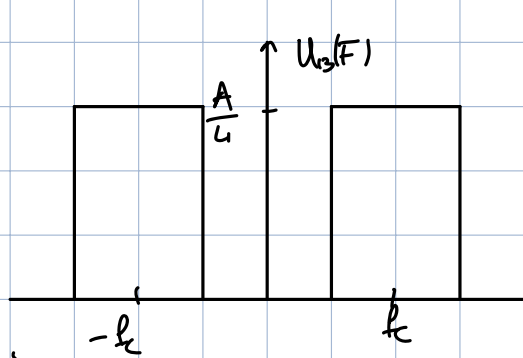


$$f_{LPF} = \frac{f_b - f_a}{2}$$

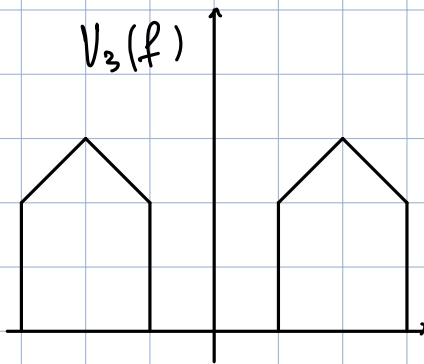
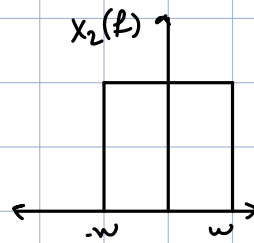
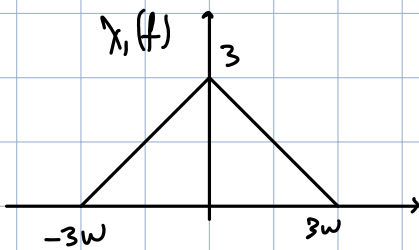
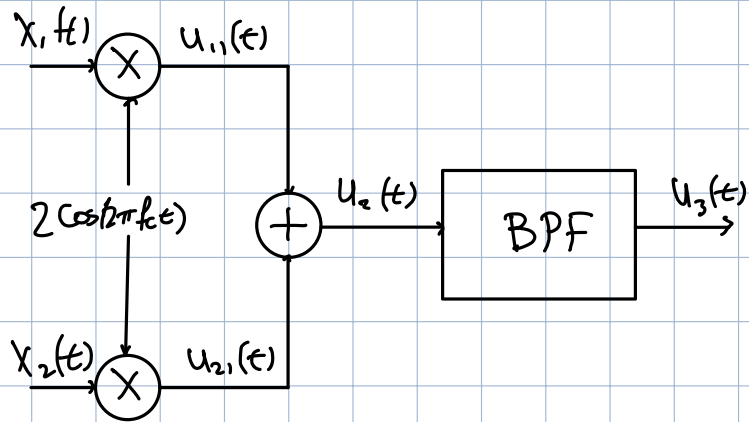
$$f_0 = \frac{f_a + f_b}{2}$$



αρα έχουμε και σκεδισμένο
LPF, τότε κρατάμε
για $U_{22}(F)$
και $U_{21}(F)$
κρατάμε $-\frac{fb+fa}{2} < F < \frac{fb-fa}{2}$



Aufgabe:



$$v_3(t) = \text{sinc}^2 \dots$$