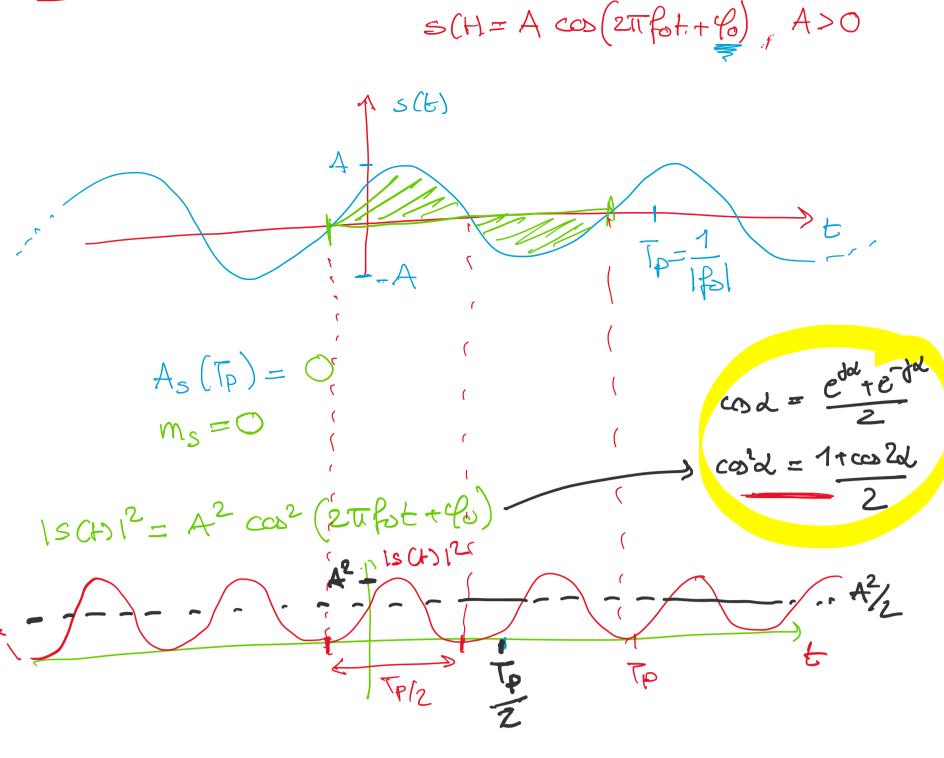
Thursday, 2 March 2023

ES CACCOLARS MS E PS DEC SEGNALE



$$|S(H)|^{2} = \frac{A^{2}}{2} + \frac{A^{2}}{2} \cos (2\pi \frac{2f_{0} + 2f_{0}}{2f_{0}})$$

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$$|S(H)|^{2} = \frac{A^{2}}{2} + \frac{A^{2}}{$$

ES CALCOLARE PSRIODICITA, MS, PS DI ECH = A1ed211 f2t

A2 e C

A1, A2 e C

A1 = |A1| edf2

$$A_1 = |A_1| e^{3\theta_1}$$

$$A_2 = |A_2| e^{3\theta_2}$$

$$A_1 = |A_2| e^{3\theta_2}$$

$$A_2 = |A_2| e^{3\theta_2}$$

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$$A_2 = |A_2| e^{3\theta_2}$$

PERIODICITÀ? PERIODICO SOLO SE FIZE E RAZIONALE
VALOR MEDIO ME = A1 Ma. + A2 MS. = 6

VALOR MEDIO
$$m_{S_1} = A_1 m_{S_1} + A_2 m_{S_2} = 0$$

NOTA SE POSSE $f_1 = 0$
 $f_2 \neq f_1$
 $f_1 = e^{\int_{S_1}^{S_1} f_1 t} = 1$
 $f_2 = f_1$
 $f_3 = f_1$

POTENZA $|S(t)| = |A_1| e^{\int 2\pi f_1 t + f_1} + |A_2| e^{\int 2\pi f_2 t + f_2}$ $|S(t)| = |A_1| e^{\int 2\pi f_1 t + f_1} + |A_2| e^{\int 2\pi f_2 t + f_2}$ $|S'(t)| = |A_1| e^{\int 2\pi f_1 t + f_1} + |A_2| e^{\int 2\pi f_2 t + f_2}$

$$|S(t)|^{2} = S(t) S^{*}(t)$$

$$= |A_{1}|^{2} e^{J(2\pi f_{1}t + f_{1})} e^{-J(2\pi f_{1}t + f_{1})}$$

$$+ |A_{2}|^{2}$$

$$+ |A_{1}|A_{2}| e^{J(2\pi f_{1}t + f_{1})} e^{-J(2\pi f_{1}t + f_{2})}$$

$$+ |A_{1}||A_{2}| e^{-J(2\pi f_{1}t + f_{1})} e^{J(2\pi f_{2}t + f_{2})}$$

$$+ |A_{1}||A_{2}| e^{-J(2\pi f_{1}t + f_{1})} e^{J(2\pi f_{2}t + f_{2})}$$

$$= -J(2\pi (f_{1}-f_{2})t + f_{1}-f_{2})$$

= 1A112 + 1A212 + 21A111A21 cos (2TT (F1-F2)++4-42)

Ps = 1A212 + 0