S Exerciţii rezolvate

Soluție (Exercițiul 2.4) 🍍

+ I I I hegure [k+m-l]e jok e jo (m-l) + jo (m-l)
+ I I heguren [k+l-m]ejok e jo (l-m) + jo (l-m)
+ Lezz lzomzo

+ ZI I gegu do [k+m-l]ejok e jo (m-l) + jo (l-m)

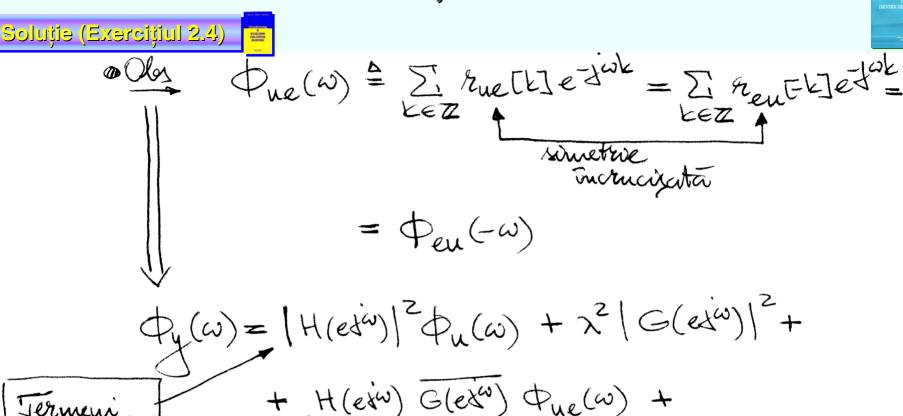
+ ZI I gegu do [k+m-l]ejok e jo (m-l) + jo (l-m)

= $|H(e\dot{a}\omega)|^2 \varphi_u(\omega) + H(e\dot{a}\omega) \overline{G(e\dot{a}\omega)} \varphi_{ue}(\omega) + \overline{H(e\dot{a}\omega)} \overline{G(e\dot{a}\omega)} \varphi_{ue}(\omega) + \overline{H(e\dot{a}\omega)} \overline{G(e\dot{a}\omega)} \varphi_{eu}(\omega) + |G(e\dot{a}\omega)|^2 x^2$





5 Exerciții rezolvate



+ H(eda) G(eda) Que (-W)

Jermeni
Jermeni
Jermeni
Jermeni
de interferenta?
(para viti)



HWER

5 <u>Exerciții rezolvate</u>

$$|H(e\dot{a}\dot{\omega})|^{2} = \frac{b}{(1+a^{2})+2a\cos\omega}$$

$$|G(e\dot{a}\dot{\omega})|^{2} = \frac{1}{(1+a^{2})+2a\cos\omega}$$

$$H(e\dot{a}\dot{\omega}) \overline{G(e\dot{a}\dot{\omega})} = \frac{be\dot{a}\dot{\omega}}{(1+a^{2})+2a\cos\omega}$$

$$\overline{H(e\dot{a}\dot{\omega})} G(e\dot{a}\dot{\omega}) = \frac{be\dot{a}\dot{\omega}}{(1+a^{2})+2a\cos\omega}$$

$$\overline{H(e\dot{a}\dot{\omega})} G(e\dot{a}\dot{\omega}) = \frac{be\dot{a}\dot{\omega}}{(1+a^{2})+2a\cos\omega}$$

$$\Phi_{y}(\omega) = \frac{1}{(1+\alpha^{2})+2\alpha \cos \omega} \times \left[b^{2} \Phi_{u}(\omega) + \chi^{2} + b \left(\Phi_{ue}(\omega) e^{j\omega} + \Phi_{ue}(-\omega) e^{j\omega} \right) \right] \times \left[b^{2} \Phi_{u}(\omega) + \chi^{2} + b \left(\Phi_{ue}(\omega) e^{j\omega} + \Phi_{ue}(-\omega) e^{j\omega} \right) \right]$$

Similar, cari
$$G(g^{-1}) \equiv 1$$
.

Similar, can
$$G(g^{-1}) \equiv 1$$

$$\Phi_{y}(\omega) = |H(ed^{\omega})|^{2} \Phi_{u}(\omega) + \chi^{2} + H(ed^{\omega}) \Phi_{ue}(\omega) + H(ed^{\omega}) \Phi_{ue}(\omega) + H(ed^{\omega}) \Phi_{ue}(\omega) + H(ed^{\omega}) \Phi_{ue}(\omega)$$



$$\Phi_{y}(\omega) = \frac{1}{(1+a^{2})+2\alpha\cos\omega} \left[b^{2}\Phi_{u}(\omega)+x^{2}\right] + b\left[\frac{\Phi_{u}(\omega)}{1+ae^{\frac{1}{2}\omega}} + \frac{\Phi_{u}e(-\omega)}{1+ae^{\frac{1}{2}\omega}}\right]$$



(1+a2)+za cosa

5 Exerciții rezolvate

Soluție (Exercițiul 2.4)

H(exico) = 1+ aedw

OE CHILL

e=jw (b1+b2e=jw) H(edw)= 1+ a1 e 30 + aze 250 1[5,5]X94 OE [2, 2]

Obs Aceste relation se obtion inveduat approved F secrenter pondere ideale. De exemplu:

Zhrejwk = b Zi(-a)k-le-jwk = ARX CITT

(vezi [Ex Z.2])

= betw [(-a) ke-jak

beju kno

Resultat ca raspuvul on frecuenta se obtine onlocuird g' on e-in direct on expressa him H(g').



YWER.