Moiron Schmeider Bordoyo 17102515

$$y(z) - 2(y(z), z^{1} + y[-1]) + 1(z^{-2}y(z) + z^{-1}y[-1] + y[-2]) =$$

$$3(x(z).z^{-1} + x[-1]) - 6.1$$

$$y(z)$$
, $(1-2z^{-1}+1z^{-2}) = 2y[-2]^{2}-1z^{-1}y[-1]-1y[-2]$.

$$y(z) = -5z^{\frac{1}{2}} + 6/7 - A$$

$$1 - 2/7z^{\frac{1}{2}} + 1/2z^{\frac{1}{2}} - (1 + (-0.142 - 0.692)z^{\frac{1}{2}})$$

Ou, fogemolo por residuez $y(z) = -5z^{-1} + 6/7 z^2 = 7 6/7 z^2 - 5z$ $(1-2/7z^{-1} + 1/2z^{-2}) z^2 z^2 - 2/7z + 1/2$ Raiges 1,2 = 0,1429+j0,6925 e 0,1429-j0,6925 A = 0,428 + j 3,521 B = 0,428- ;3,521 Ynot [m] = A. r[m] B. r[m] $V_{mot}[m] = 3.546. e^{\frac{1}{3}1.449}. (0.707)^{\frac{1}{3}m}. e^{\frac{1}{3}1.367[m]} + ...$ $\cdots + 3.546. e^{-\frac{1}{3}1.449}. (0.707)^{\frac{1}{3}m}. e^{-\frac{1}{3}1.367[m]}$ Umst [m] = (7,092, (0,707)[m], COS (1,449+1,367[m]) v [m] Forceda: $(3z^{-1}-6)$ ~> y(z) = 1 $3z^{-1}-6$ $(1-2/7z^{-1}+1/2z^{-2})$ $1-z^{-1}$ 32-1-6 1-21-2/721+2/722+1/22-2-1/22-3 $3z''-6 \qquad z^3 = -6z^3 + 3z^2 + 0 + 0$ $1 - 9/4z^{-1} + 11/44z^2 - 1/2z^3 z^3 \qquad 1 - 9/4z^{-1} + 11/44z^2 - 1/2z^3$ PAIZES 1,203 = 1 e 0, 1429 + ; 0,6925 e 0, 1429 - ; 0,6925

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$$A = -2,470$$

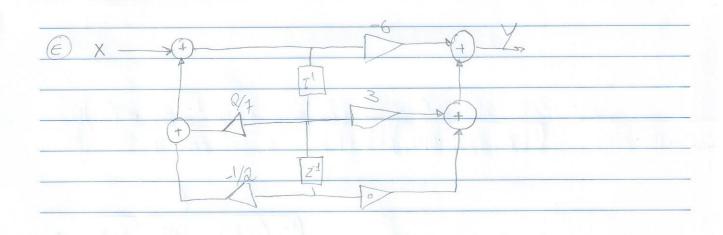
$$B = -1,764 + 91,255$$

$$C = -1,764 - 91,255$$

YRESP + 2165 e - j 2,523 (0,707) [m] e j 1,367[m] e j 1,367[m]

YRESP[m] = -2,470.(1)[m] + 4133.(0,707)[m]. cos(2,523 + 1,367[m])

YONALETA [m] = (-2,1470.(1)[m] + 4,33 (0,707)[m]. cos (2,523+1,367[m]). .U[m]) + ((-2470.(1)[m-11] + 4,33 (0,707)[m-11]. cos (2,523+1,367[m-14]). .U[m-11])



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