Exemplo 1 Fractiones partiales	2200 5-2-
Harder Sontrago Colderos Rodriguet 202	1100 50 13
$\times (5) = \frac{25^3 + 85^2 + 45 + 8}{5(5+1)(5^2+45+8)}$	
5(5+1)(52+45+8)	
The state of the s	
En Fracciones parciales	
$= \frac{K_1}{5} + \frac{K_2}{5+1} + \frac{A}{5+2+j2} + \frac{A^*}{5+2-j2}$	
5 5+1 5+2+j2 5+2-j2	
$K_1 = s \times (s)  _{s=0}$	
15-0	
$k_1 = 8\left(\frac{25^3 + 85^2 + 45 + 8}{5(5+1)(5^2+45+8)}\right)  _{5=0}$	
1 ( 5(S+1)(S <sup>2</sup> +4S+8) / S=0	
$\kappa_1 = 1$	
$K_2 = (s+1) \times s \mid_{s=-1}$	
$ k_2  = (5+1) \left( \frac{25^3 + 85^2 + 45 + 8}{5(5+1)(5^2 + 45 + 8)} \right) \Big _{5=-1}$	
(5(5)1) (52+45+8) / (52-1	
$k_2 = -2 + 8 + 4 + 8 = -10 = -2$ $-1(1-11+8) = 5 = -2$	
$\left[ \begin{array}{ccc} K_2 = -2 \end{array} \right]$	
$A = (5 + 2 + 52) \times (5)$	
S= -2 - 12	
$A = (5+2+52) \left( \frac{25^{3}+85^{2}+45+8}{5(5+1)(5^{2}+45+8)} \right) \left  6 = -2+51 \right $	
$A = (5+2+52) \left( \frac{25^3+85^2+45+8}{5(5+1)(5+2-52)} \right) \left( \frac{25^3+85^2+45+8}{5(5+1)(5+2-52)} \right) \left( \frac{25^3+85^2+45+8}{5(5+1)(5+2-52)} \right) $	
(s(5th) (512+12)(5+2-12)././5=-2	-124
$A = 2(-2+i2)^3 + 8(-2-i2)^2 + 4(-2-i2) + 8$	
$A = \frac{2(-2-j2)^3 + 8(-2-j2)^2 + 4(-2-j2) + 8}{(-2-j2) (-2-j2) + 1} [(-2-j2)^2 + 4(-2-j2) + 8]$	
Resolvendo parte Response.	
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25^{3} = 2[-2 - 52]^{3} - 524
= 2[-2 - 52]^{3} + 3(-2)^{2}(-52) + 3(-2)(-52)^{2} + (-52)^{3}
            (-12)3 = (-1)3 53 23
                     = -1 \cdot j^2 j 8
= -8(-1) j
                     = 58
253 = 2[-8 - 124 + 24 + 58]
\frac{25^3}{25^3} = 2 \cdot 16 - 516
\frac{25^3}{25^3} = 32 - 532
86^{2} = 8[-2-52]^{2}

85^{2} = 8[4+2(45)]-4]

85^{2} = 8[85]

85^{2} = 564
Numerador: 32-532+564+4(-2-52) #8
                                         + 1-8 -18 +8
                   32 + 524]
Denominador: (-2-12) (-2-12+1) (-2-12+2-12)
                     (-2+j2)(-2-j2+1)(-j4)
                     (18-8) (-1-52)
                     24 + 58
A = 32 + 524 = 8(4 + 53) = 4 + 53 = 3 - 5 = 12 - 415 + 95 + 24 + 58 = 9(3 + 5) = 8 + 5 = 3 - 5 = 9 - 18 + 18 + 19
                                                        3+1 9-18+13+1
A = \frac{15 + 51}{10} = \frac{3+1}{2} = \frac{1}{15} + \frac{50}{10}
A= 17,5 + 10,5)
Entonced tenemos:
X(5) = \frac{1}{5} - \frac{2}{5+1} + \frac{1}{5+2+j2} + \frac{1}{5+2-j2}
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