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Cálalo de Pir, Pin, Pint para el sistema expandido
                                                                                                   -o \det (Acc - \lambda I) = \det [-\lambda \frac{1}{22} 0]
                                                                                                                                                                                                                                                                                         λ + 10042 λ + 10.000 K1 λ + (1M) K3
       λ<sup>3</sup> + 100 kg λ<sup>2</sup> + 10.000 kg λ + (1M) K3 - n (λ+100+j300)(λ+100-j300)(λ+500)
                                                                                                                                                                \left[\lambda^{2} + \lambda(200) + (100^{2} + 300^{2})\right] \lambda + 500)
                                                                                                                                                                                  \lambda^{3} + \lambda^{2}(200) + 100.000 \lambda + \lambda^{2} 500 + \lambda 100,000 + 50M
                                                                                                                                                                                                 \lambda^{3} + 700 \lambda^{2} + 200.000 \lambda + 50 M
                                                                 · 100 m= 700 -0 ln=7 -0 ln= Dn = 6 k71 n
                                                               0.10.000 \text{ k1} = 200.000 \rightarrow \text{k1} = 20 \rightarrow \text{p} = 2\text{m} = 2\text{m
                                                             0 1M. U3 = 50M - N3 = 50 - 2ivr = 1222 = 940 r
\lambda^{3} + 100 \text{ kg} \lambda^{2} + 10.000 \text{ kg} \lambda + (1 \text{ kg}) \text{ kg} = 0 (\lambda + (00) (\lambda + 500) (\lambda + 500)
                                                                                                                                                                                   (\lambda + 100)(\lambda^2 + \lambda 1000 + 500^2)
                                                                                                                                                                      -5 \lambda^{3} + \lambda^{2} 1000 + 500 \lambda + 1000\lambda^{2} + \lambda (100)(1000) + (100.500)
                                                                                                                                                                                       \lambda^3 + \lambda^2 1100 + \lambda(350.000) + 25 M
                                                              · 100 ls = 1100 - b ls = 11 - ben - 44271
                                                                    910.000 k_1 = 350.000 + 0 k_1 = 35 - 0 k_1 = 1 k_3 4 r
                                                                     0 1M. U3 = 25M −0 U3 = 25 → lint = 1 U88
\lambda^{3} + 100 \text{ kg} \lambda^{2} + 10.000 \text{ kg} \lambda + (1 \text{ kg}) \text{ kg} = (\lambda + 100 + j 100)(\lambda + 100 - j 100)(\lambda + 500)
                                                                                                                                                           = (\lambda^{2} + 200\lambda + (100^{2} + 100^{2}))(\lambda + 500)
                                                                                                                                                                       \lambda^{3} + 500 \lambda^{2} + 200 \lambda^{2} + 1000000 \lambda + 20000 \lambda + 10000000
                                                                                                                                                          \lambda^3 + 700 \lambda^2 + 120.000 \lambda + 10 M
                                                                       -9 \text{ kg=7} \qquad -9 \text{ Rn} = \frac{Rn}{Wr} = 6 \text{ w71 } \text{ n}
                                                                0.0000 \mu = (20.000 - 9) \mu_1 = (2 - 5) \mu_1 = \frac{2\pi}{4.5} = 3491 \text{ }
                                                           e U3 = 10 — DRiNT = \frac{DD}{U3} = 4U71
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