

**PRÁCTICA 7**

ANEXO I: Resultados a entregar.

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| 1.a) Rellenar la siguiente tabla:   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | MF | MG | ωc | Mr | ωBW | tr | Mp | y∞ | | C=1 | -24.8º | -10.4 dB | 3.49 rad/s | 8.46 dB | 4.7 rad/s | inf | inf | inf | | C=0.301 | 0 | 0 | 2.01 rad/s | 143 dB | 2.99 rad/s | -------- | ------ | -------- | | C=0.521 | 45 | 15.2 dB | 0.703 rad/s | 2.33 dB | 1.21 rad/s | 1.7 seg | 23.4 % | 1 |   1.b) Rellenar la siguiente tabla:   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | MF | MG | ωc | Mr | ωBW | tr | Mp | y∞ | | C=1 | inf | inf | -------- | ------- | 3.77 rad/s | 0.562 | 2.48% | 0.5 | | C=… | ---- | ------ | ----- | ----- | ------ | ------ | ------- | ------ | | C=496.15 | 5.56 | inf | -------- | 20.3 dB | 101.25  rad/s | 0.017 seg | 85.9 % | 0.998 | | C=4.5012 | 60 | inf | 5.28 | -0.015 dB | 9.03 rad/s | 0.228 seg | 19.6 % | 0.817 |   2) Rellenar la siguiente tabla:   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | MF | ωc | ωBW | tr | Mp | MF/100 | pi/(2\*ωc) | 70-MF | | δ=0.2 | 22.9 | 0.96 | 1.51 | 1.21 | 52.2 | 0.229 | 1.6362 | 47.1 | | δ=0.5 | 52 | 0.784 | 1.26 | 1.64 | 16.1 | 0.52 | 2.003 | 18 | | δ=0.7 | 65.3 | 0.646 | 1 | 2.14 | 4.49 | 0.653 | 2.43 | 4.7 | | δ=0.9 | 73.6 | 0.531 | 0.741 | 2.89 | 0.138 | 0.736 | 2.958 | -3.6 | |

Fecha: Firmas: