

## Verifica scritta

Completare le tabelle di ciascuna funzione di trasferimento e riportare i relativi diagrammi di Bode

Poli e zeri	Valori assoluti di zeri e poli	Molteplicità	Decade successiva	Contributo nel modulo in decibel	Decade precedente	Sfasamento nel polo nello zero	Sfasamento alla decade successiva
Zero1							
Zero2							
Polo1							
Polo2							
Polo3							
		Modulo in decibel					
		Sfasamento					
		Sfasamento a regime					

## GRAFICI di BODE

Funzioni di trasferimento

1	$G(S) = \frac{0.6(1 + 0.04s)}{(1 + 200s)(1 + 50s)^2}$
2	$G(S) = \frac{200(1 + 80s)^2}{(1 + 0.5s)(1 + 100s)}$
3	$G(S) = \frac{0.02(1 + 400s)(1 + 0.1s)}{(1 + 0.005s)^2}$
4	$G(S) = \frac{300(1 + 20s)}{(1 + 0.4s)^2(1 + 500s)}$
5	$G(S) = \frac{0.05(1 + 0.01s)^2}{(1 + 8s)(1 + 400s)}$

6	$G(S) = \frac{0.003(1 + 40s)^2}{(1 + 200s)(1 + 0.5s)}$
7	$G(S) = \frac{1000(1 + 0.02s)}{(1 + 100s)(1 + 80s)^2}$
8	$G(S) = \frac{700(1 + 200s)^2}{(1 + 0.08s)(1 + 10s)}$
9	$G(S) = \frac{50(1 + 40s)}{(1 + 0.02s)(1 + 500s)^2}$
10	$G(S) = \frac{0.06(1 + 2s)^2}{(1 + 0.04s)(1 + 100s)}$
11	$G(S) = \frac{0.08(1 + 50s)}{(1 + 0.04s)^2(1 + 200s)}$
12	$G(S) = \frac{0.9(1 + 4000s)^2}{(1 + 8s)(1 + 0.01s)}$
13	$G(S) = \frac{0.7(1 + 0.2s)}{(1 + 500s)(1 + 0.04s)^2}$
14	$G(S) = \frac{900(1 + 4000s)}{(1 + 200s)^2(1 + 0.5)}$
15	$G(S) = \frac{0.3(1 + 20s)^2}{(1 + 0.4s)(1 + 500s)}$
16	$G(S) = \frac{0.005(1 + 8000s)}{(1 + 0.01s)^2(1 + 40s)}$
17	$G(S) = \frac{30(1 + 0.05s)^2}{(1 + 1000s)(1 + 40s)}$
18	$G(S) = \frac{0.007(1 + 0.001s)}{(1 + 40s)^2(1 + 0.2s)}$
19	$G(S) = \frac{8000(1 + 300s)^2}{(1 + 0.1s)(1 + 1000s)}$
20	$G(S) = \frac{0.9(1 + 20s)}{(1 + 800)(1 + 0.004s)^2}$
21	$G(S) = \frac{4000(1 + 0.002s)}{(1 + 100s)^2(1 + 0.8s)}$
22	$G(S) = \frac{30(1 + 0.02s)}{(1 + 5s)^2(1 + 400s)}$

23	$G(S) = \frac{500(1 + 0.05s)}{(1 + 100s)^2(1 + 40s)}$
24	$G(S) = \frac{70(1 + 8s)}{(1 + 100s)^2(1 + 0.002s)}$

GRAFICI di BODE