

The second-order linear dynamic system
step response

input parameters

tau	1	characteristic time
xi	-0.2	damping coefficient
K	1	steady state gain
M	1	disturbance rate-of-change
A	1	step magnitude
td	0	time of disturbance

calculated parameters

	real	imaginary
pole 1	0.2	-0.979796
pole 2	0.2	0.979796
zero	-1	
M/Ktau	1	

maximum time

10

