

The second-order linear dynamic system  
step response

input parameters

tau	1	characteristic time
xi	1.2	damping coefficient
K	1	steady state gain
M	3	disturbance rate-of-change
A	1	step magnitude
td	0	time of disturbance

calculated parameters

	real	imaginary
pole 1	-1.863325	0
pole 2	-0.536675	0
zero	-0.333333	
M/Ktau	3	

maximum time

