

The second-order linear dynamic system
step response

input parameters

tau	1	characteristic time
xi	-1.1	damping coefficient
K	1	steady state gain
M	-0.3	disturbance rate-of-change
A	1	step magnitude
td	0	time of disturbance

calculated parameters

	real	imaginary
pole 1	0.641742	0
pole 2	1.558258	0
zero	3.333333	
M/Ktau	-0.3	

maximum time

