Matrix A and Matrix B

Matrix A			Matrix B
[[1.8358 0.9412	0.1283 0.	0.005]	[[-0.005]
[-1.8358 -0.9412	0.8717 0.	-0.005]	[0.005]
[-132.8266 -5.2038	-10.2138 0.	-0.3613]	[0.3613]
[0. 0.	1. 0.	0.]	[-0.]
[248.3417 0.	0. 0.	0.]]	[-0.]]

Matrix C and Matrix D

Matrix C	Matrix D	
[[0 0 0 0 1]]	[[-0.]]	

Eigen Values

[0. 9.3353 3.4435 3.4435 0.7046]

Damping Table

[nan 1. -0.1046 -0.1046 1.]