

Matrix A and Matrix B

Matrix A	Matrix B
[[1.8358 0.9412 0.1283 0. 0.]	[[-1.8358]
[-1.8358 -0.9412 0.8717 0. 0.]	[1.8358]
[-95.0237 14.0504 -7.5719 0. 0.]	[95.0237]
[0. 0. 1. 0. 0.]	[-0.]
[248.3417 0. 0. 0. 0.]]	[-0.]]

Matrix C and Matrix D

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

Eigen Values

[0. 0. 8.8997 3.5983 3.5983]

Damping Table

[nan nan 1. -0.3088 -0.3088]
