Matrix A and Matrix B

Matrix A	Matrix B
[[-0.0129 -0.037 -0.44 0. 0. 0.] [0.0733 0. 1.0057 0. 0. 0.] [-0.0733 0. -1.0057 1. 0. 0.] [0. 0. 5.7977 -0.9952 0. 0.] [0. 0. 0. 1. 0. 0.] [0. 265.4262 0. 0. 0. 0.]]	[[0.] [0.4148] [-0.4148] [31.9296] [0.] [0.]]

Matrix C and Matrix D

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

Eigen Values

```
[ 0.    +0.j    0.    +0.j   -3.413 +0.j    1.4193+0.j
 -0.0101+0.056j -0.0101-0.056j]
```

Damping Table

```
[[ 0.    +0.j    0.    +0.j    3.413 +0.j    1.4193+0.j
     0.0569+0.j    0.0569+0.j  ]
 [   nan+0.j     nan+0.j    1.  +0.j   -1.   +0.j
     0.177 +0.j    0.177 +0.j  ]
 [ 0.    +0.j    0.    +0.j   -3.413 +0.j    1.4193+0.j
  -0.0101+0.056j -0.0101-0.056j]]
```