

Eigen values and Eigen vectors

Amritpal Singh

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Chapter 1

Eigen values and Eigen vectors

1.1 Definition

```
a=matrix([[1,2,3],[3,2,1],[4,2,0]])  
z=a.eigenvalues()
```

$$\begin{pmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \\ 4 & 2 & 0 \end{pmatrix}$$

$$[6, 0, -3]$$