

Here is the Lab Write Up for a C++ Program to determine the dominant Eigen Value and it's corresponding Eigen Vector for a given square matrix.

The Write-Up consists of Algorithm, Flow Chart, Program, and screenshots of the sample outputs.

You can download the pdf file here: [Eigen values.pdf](#)

The embedded document below will be visible properly only on a desktop/laptop device.

Mobile Users can either download the pdf file above or go to this link: <http://1drv.ms/1GRutlY>

```
Enter the order of the matrix:
2

Enter the elements of matrix row-wise:
5      4
1      2

Enter the initial values of the eigen-vector:
1      0

Enter the accuracy desired:
0.001
The eigen-value is: 6.00

And the Eigen-vector is [1.00  0.25  ]
```

Sample Output



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