

```
In[1]:= M = {{0.000529, 0.000179, 0.000451, 0.000536, 0.000028},  
           {0.000179, 0.000400, -0.000104, 0.000466, -0.000192},  
           {0.000451, -0.000104, 0.001369, -0.000373, 0.000755},  
           {0.000536, 0.000466, -0.000373, 0.003969, -0.002948},  
           {0.000028, -0.000192, 0.000755, -0.002948, 0.014400}}
```

```
Out[1]= {{0.000529, 0.000179, 0.000451, 0.000536, 0.000028},  
         {0.000179, 0.0004, -0.000104, 0.000466, -0.000192},  
         {0.000451, -0.000104, 0.001369, -0.000373, 0.000755},  
         {0.000536, 0.000466, -0.000373, 0.003969, -0.002948},  
         {0.000028, -0.000192, 0.000755, -0.002948, 0.0144}}
```

```
In[2]:= Det [M]
```

```
Out[2]=  $4.53906 \times 10^{-15}$ 
```

```
In[4]:= M1 = Eigenvalues [M]
```

```
Out[4]= {0.0152317, 0.00335915, 0.0015266, 0.000406722, 0.000142878}
```