2D:

* Eclipse 1
  + Eigenvectors

|  |  |
| --- | --- |
| -0.9609 | -0.2771 |
| 0.2771 | -0.9609 |

* + Eigenvalues  
     0.9805  
     0.9518
* Eclipse2
  + Eigenvectors

|  |  |
| --- | --- |
| -0.8214 | -0.5704 |
| 0.5704 | -0.8214 |

* + Eigenvalues  
     1.0108  
     0.9263
* Eclipse 3
  + Eigenvectors

|  |  |
| --- | --- |
| -0.5491 | -0.8358 |
| 0.8358 | -0.5491 |

* + Eigenvalues  
     1.1209  
     0.9690

3d

* Teapot:
  + EigenVectors

|  |  |  |
| --- | --- | --- |
| 0.9942 | 0.1080 | -0.0000 |
| -0.0000 | -0.0000 | -1.0000 |
| 0.1080 | -0.9942 | 0.0000 |

* + Eigen Values  
     2.4544  
     0.9946  
     0.6773
* Sphere:
  + EigenVectors

|  |  |  |
| --- | --- | --- |
| -0.0203 | 0.1414 | -0.9897 |
| 0.0144 | 0.9899 | 0.1412 |
| 0.9997 | -0.0113 | -0.0221 |

* + Eigen Values  
     10.6300  
     5.3922  
     5.2310
* Bunny:
  + EigenVectors

|  |  |  |
| --- | --- | --- |
| -0.6730 | 0.7247 | 0.1478 |
| 0.7254 | 0.6078 | 0.3232 |
| -0.1444 | -0.3247 | 0.9347 |

* + EigenValues  
     0.0023  
     0.0012  
     0.0007