# HW4

## The similitude values. For those very close to being symmetric in either x or y axis, they have second order moments very close to 0.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 0.051 | -0.013 | 0.017 | -0.009 | 0.198 | -0.019 | -0.096 |
| 0.422 | -0.312 | 0.433 | -0.296 | 0.658 | -0.406 | -0.694 |
| 0.084 | -0.035 | 0.082 | -0.034 | 0.324 | -0.066 | -0.260 |
| 0.171 | 0.039 | -0.041 | -0.090 | 0.322 | 0.025 | -0.215 |

1. Eigdata

Chart, scatter chart

Description automatically generated

After mean subtraction

Chart, scatter chart

Description automatically generated

1. Ellipse as shown

Chart, scatter chart

Description automatically generated

1. Rotated

Chart, scatter chart

Description automatically generated

1. Histogram resembles a 1-D gaussian shape.

Chart, histogram

Description automatically generated