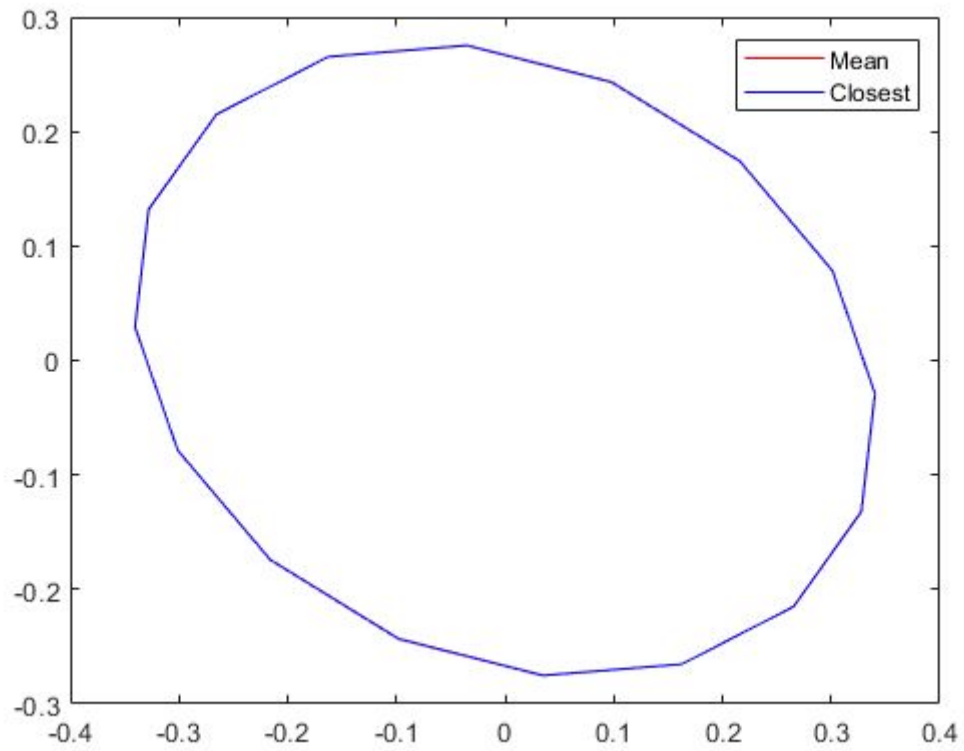
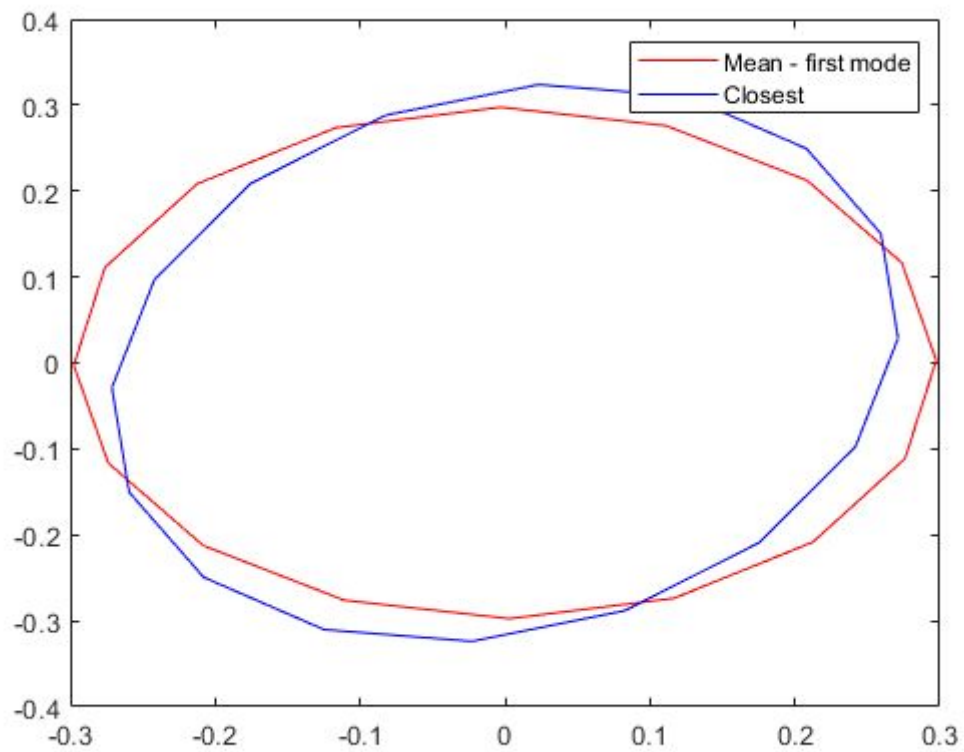


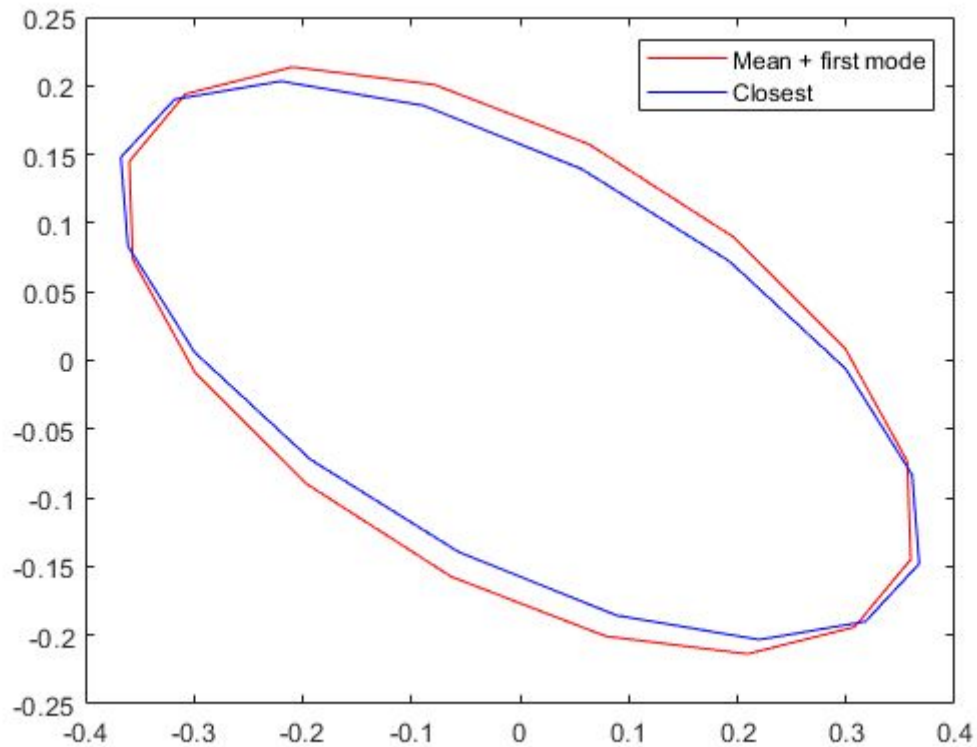
Closest to mean:



Closest to mean - $2\sqrt{\lambda}$:



Closest to mean + $3\sqrt{\lambda}$:



Summary:

- 1) The results folder contains folder q1 and has all these images above stored as .png files. It also contains pointset.mat having the generated pointset using capture.m in code/q1 .
- 2) It was found that very few eigenvalues were significant.. Others were too small to be noticed. This may be because of very less variation in elliptical data points.