## ASEN 5070-Stastistical Orbit Determination-HW 8

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## 1 Problem 1

See attached code in Appendix A.

## 2 Problem 2

The following is a plot of the trace of each formulation of P2 subtracted from the truth, or exact, calculation of that same value.

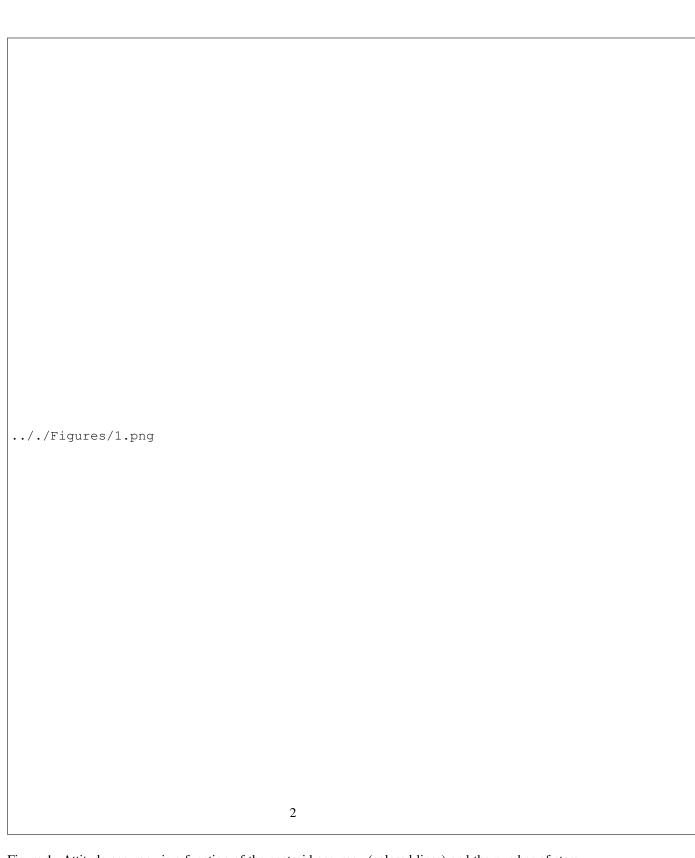


Figure 1: Attitude accuracy is a function of the centroid accuracy (colored lines) and the number of stars using in the q-method transformation