

HW3 Q3(c)

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Instructions to Run the Code

The MATLAB Code for this question is saved in the file `A3Q3.m` present in the main zip directory.

Upon running the code, you shall see the required command line outputs and a figure :-

- `A3Q3_plot.png` Contains the plot of the estimated plane with the data points given from `XYZ.txt`.

Plot

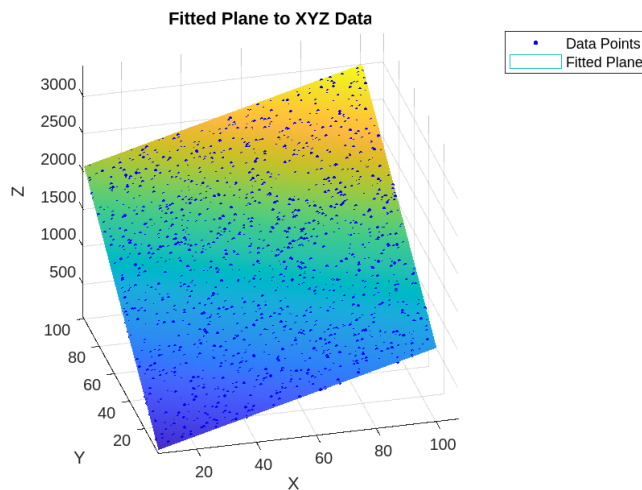


Figure 1: Plot of Estimated Plane

Predicted Equation of the Plane :-

$$z = 10.0022x + 19.9980y + 29.9516$$

Predicted Noise Variance :- 23.0685