



Comparison of Kalman filter and Neural Network for orbit determination

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Position and orbit estimation of aerospace systems such as satellites is the first and the most important step before utilizing these kinds of systems. Importance of this estimation depends on the variety of satellite mission.

In this paper position estimation of LEO satellite has been evaluated by kalman filter and neural network methods with simulated data of Grace Satellite.

Finally results of Kalman filter and neural network methods have been compared and advantages and disadvantages are described.