Title: PERFORMANCE COMPARISON OF A380 AND B747 AIRCRAFTS AND PERFORMANCE IMPROVEMENT STUDIES

Reference: FLIGHT

Position Availability: 1 Student

Project Description:

In this study the performance parameters of two different aircrafts, Airbus A380 and Boeing B747 which are the largest aircrafts of nowadays, will be calculated and compared. The routes of the aircrafts will be chosen as the longest distances for THY like İstanbul-Los Angeles and İstanbul-Tokyo. Additionally, some improvement suggestions will be made for cruise flight of A380 aircraft by using fuel calculations.

Work Description:

- Determination of aircraft performance parameters.
- Calculation techniques for performance parameters.
- Comparison of two aircraft’s performance.
- Improvement studies for level flight condition.

Required Qualifications and Skills:

- Should have taken ME483
- MATLAB user