



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Superior d'Enginyeries Industrial,  
Aeroespacial i Audiovisual de Terrassa

# Interplanetary trajectories

## Example: Earth to Mars case

---

### Report

**Degree:** Master's degree in Aerospace Engineering

**Course:** 220301 - Aerodynamics, Flight and Orbital Mechanics

**Delivery date:** 15-01-2018

**Students:** Fontanes Molina, Pol; Martínez Viol, Víctor; Urbano González, Eva María





# Contents



# List of Tables



# List of Figures



# 1 | Figure example formats

FIGURE

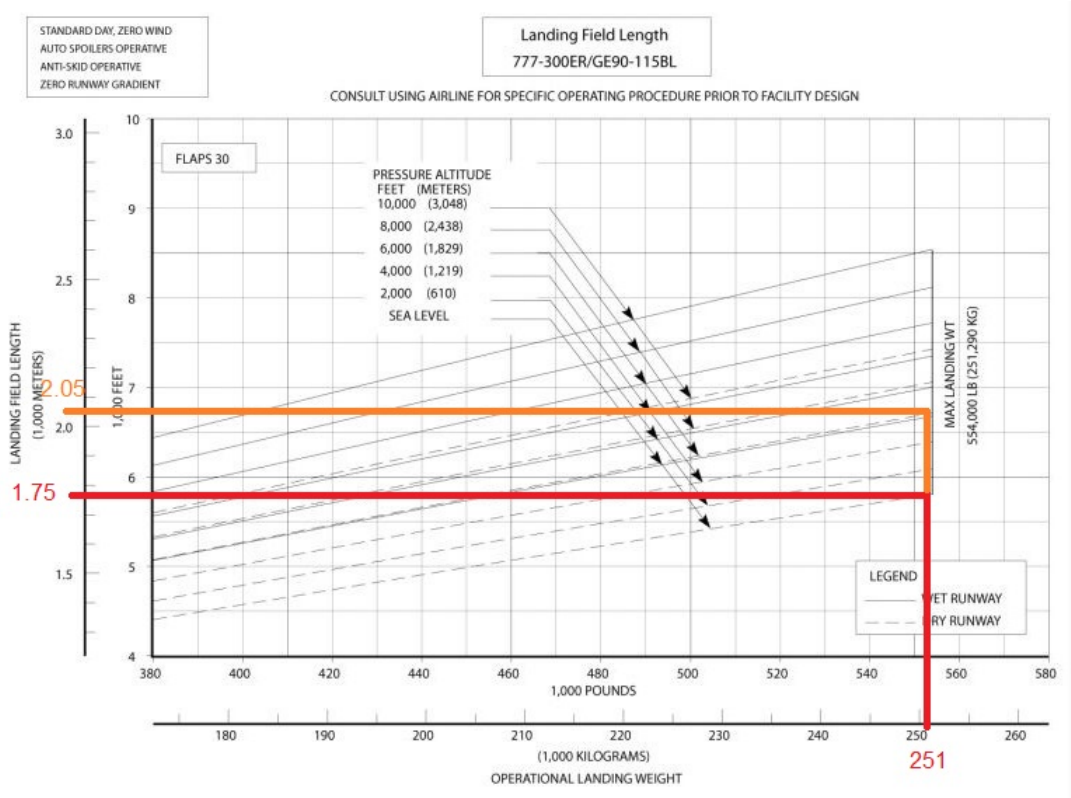


Figure 1.0.1: Landing distance vs MTOW for the Boeing 777.

TABLE

$T_1$	13 cm
$T_2$	21 cm
$T_3$	62 cm
$T_t$	95 cm

Table 1.0.1: Thickness after the materials correction factor.



## 2 | Aim



## 3 | Theoretical background





## 4 | Calculations and results



## 5 | Conclusions



## 6 | Bibliography

[1] J. Calaf, "Treballs de Mecànica Orbital," 2017.