



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	ii
List of Figures	iii
1 Figure example formats	1
2 Aim	2
3 Theoretical background	3
4 Calculations and results	4
5 Conclusions	5
6 Bibliography	6

List of Tables

1.0.1      Thickness after the materials correction factor. . . . . 1

# List of Figures

1.0.1      Landing distance vs MTOW for the Boeing 777. . . . . 1

# 1 | Figure example formats

FIGURE

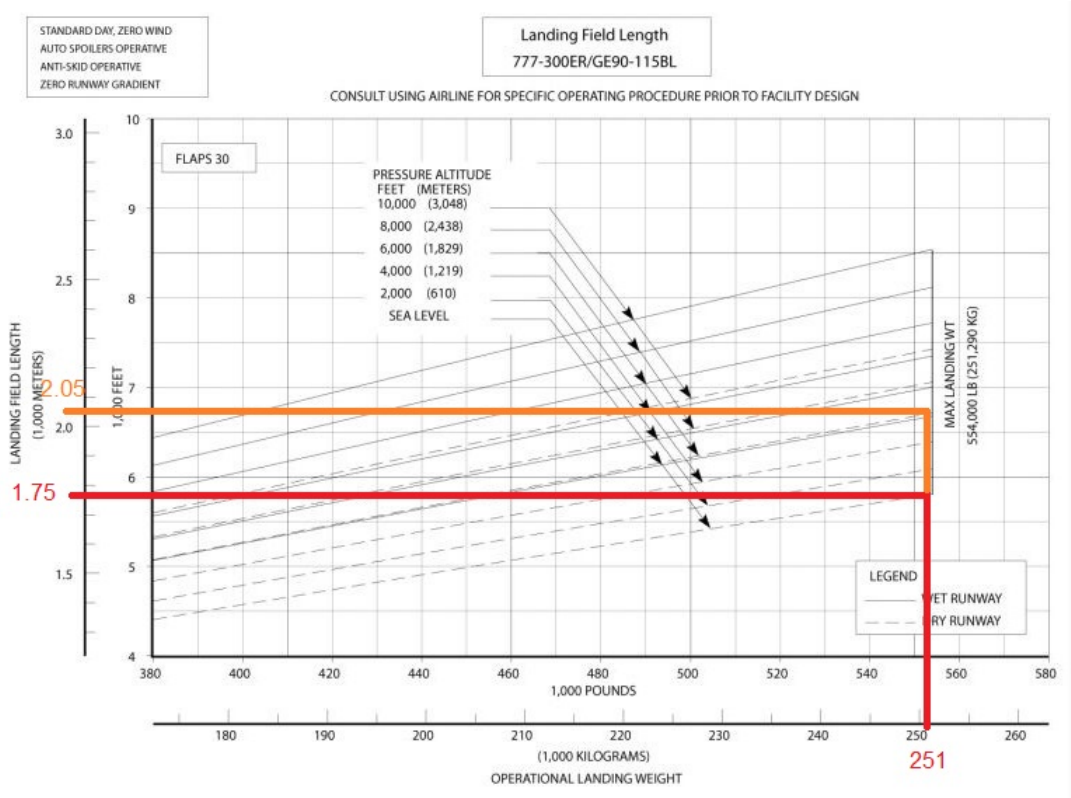


Figure 1.0.1: Landing distance vs MTOW for the Boeing 777.

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.