



# POLITECNICO

## MILANO 1863

### Reverse Engineering of Juno Mission

#### Homework 2

Course of Space System Engineering & Operations  
Academic Year 2023-2024

#### Group 5

|                     |  |          |
|---------------------|--|----------|
| Alex Cristian Turcu | <a href="mailto:alexcristian.turcu@mail.polimi.it">alexcristian.turcu@mail.polimi.it</a>   | 10711624 |
| Chiara Poli         | <a href="mailto:chiara3.poli@mail.polimi.it">chiara3.poli@mail.polimi.it</a>               | 10731504 |
| Daniele Paternoster | <a href="mailto:daniele.paternoster@mail.polimi.it">daniele.paternoster@mail.polimi.it</a> | 10836125 |
| Marcello Pareschi   | <a href="mailto:marcello.pareschi@mail.polimi.it">marcello.pareschi@mail.polimi.it</a>     | 10723712 |
| Paolo Vanelli       | <a href="mailto:paolo.vanelli@mail.polimi.it">paolo.vanelli@mail.polimi.it</a>             | 10730510 |
| Riccardo Vidari     | <a href="mailto:riccardo.vidari@mail.polimi.it">riccardo.vidari@mail.polimi.it</a>         | 10711828 |

Contents

|  |   |
|--|---|
| Contents                                   | i |
| Notation                                   | i |
| 1 Mission analysis and $\Delta V$ budget   | 1 |
| 2 Propulsion system architecture           | 1 |
| 3 Reverse engineering of propulsion system | 1 |
| Bibliography                               | 2 |

Notation

|         |             |         |             |
|---------|-------------|---------|-------------|
| Acronym | Description | Acronym | Description |
| Acronym | Description | Acronym | Description |

## **1 Mission analysis and $\Delta V$ budget**

Ciao<sup>[1]</sup>

## **2 Propulsion system architecture**

## **3 Reverse engineering of propulsion system**

## Bibliography

[1] Jet Propulsion Laboratory. *Juno Mission to Jupiter*. Site: <https://www.nasa.gov/>. 2022.