הטכניון – מכון טכנולוגי לישראל NUMERICAL METHODS IN AEROSPACE **ENGINEERING**

HOMEWORK ASSIGNMENT x סמסטר אביב תשפ"ה **SPRING SEMESTER 2025**

GRADE	OUT OF	CHAPTER
	2	ABSTRACT
	2	CONTENTS, STYLE &C.
	4	PHYSICAL PROBLEM
	4	MATHEMATICAL MODEL
	26	NUMERICAL METHODS
	20	INFLUENCE OF NUMERICAL METHODS
	20	RESULTS
	2	SUMMARY & CONCLUSIONS
	20	COMPUTER PROGRAM
	100	TOTAL

Almog Dobrescu ID 214254252

May 29, 2025

Abstract

hii

Contents

1	The Physical Problem	1
2	The Mathematical Model	1
3	The Numerical Methods	1
4		1 1 1
5	Results and Discussion	2
6	Summary and Conclusion	2
\mathbf{A}	Listing of The Computer Program	3

List of Figures

Listings

- **-**X≎
- 1 The Physical Problem
- 2 The Mathematical Model
- 3 The Numerical Methods
- 4 Influence of The Numerical Methods
- 4.1 Influence of number of elements N
- 4.2 Influence of convergence criteria ε



- 5 Results and Discussion
- 6 Summary and Conclusion

