

# TABLE OF CONTENTS

Preface . . . . .	v
Notation . . . . .	vi
Chapter I    Brouwer's Theorem . . . . .	1
Chapter II    Some Applications of Brouwer's Theorem . . . . .	17
Chapter III    Triangulations . . . . .	24
Chapter IV    Algorithms to Find Completely-Labelled Simplices . . . . .	40
Chapter V    Extensions of Brouwer's Theorem . . . . .	54
Chapter VI    Applications of Kakutani's Theorem and its Extensions . . . . .	64
Chapter VII    Eaves' First Algorithm . . . . .	73
Chapter VIII    Merrill's Algorithm . . . . .	82
Chapter IX    Homotopy Algorithms . . . . .	94
Chapter X    Triangulations with Continuous Refinement of Grid Size . . . . .	101
Chapter XI    Measures of Efficiency for Triangulations . . . . .	116
References . . . . .	126