

# Computational Topics in the Solution of Integral Equations

**Srinath Kailasa**

A thesis submitted in partial fulfillment of the requirements  
for the degree Doctor of Philosophy



Department of Mathematics  
University College London  
June 23, 2022

## **Declaration**

I, Srinath Kailasa, confirm that the work presented in this thesis is my own. Where information has been derived from other sources, I confirm that this has been indicated in the thesis.

## **Acknowledgements**

## Abstract

# Contents

<b>1</b>	<b>Introduction</b>	<b>4</b>
1.1	First Section . . . . .	4
	<b>Bibliography</b>	<b>5</b>

# Introduction

## 1.1 First Section

This is a reference [1]

# Bibliography

- [1] Denis Zorin Lexing Ying George Biros. “A kernel-independent adaptive fast multipole algorithm in two and three dimensions”. In: *Journal of Computational Physics* 196.2 (2004), pp. 591–626. DOI: <http://dx.doi.org/10.1016/j.jcp.2003.11.021>.