

# CONTENTS

## Introduction

### Chapter I Torus embeddings

1. Algebraic tori	1
2. Torus embeddings and Sumihiro's theorem	3
3. Rational partial polyhedral decompositions.	5
4. First main theorems	10
5. The proof of theorems in §.4	13
6. Projective torus embeddings	26
7. Examples of torus embeddings and morphisms	36
8. Torus embeddings of dimension $\leq 2$	50
9. Complete non-singular torus embeddings in dimension 3	59

### Chapter II Applications

10. Manifolds with corners associated to torus embeddings	111
11. Complex tori	117
12. Compact complex surfaces of class VII	136
13. Hopf surfaces and their degeneration	139
14. Inoue's examples of class $VII_0$ surfaces with $b_2 = 1$	145
15. Hilbert modular surfaces and class $VII_0$ surfaces	154
References	169