

# Contents

	page
Introduction	v
Chapter I - Background	1
1. Compact Riemann surfaces and algebraic curves	1
2. Doubly periodic functions	14
3. Functions of several complex variables	21
Chapter II - Theta functions and Riemann forms	29
4. Reduction to theta functions	30
5. Consistency conditions and Riemann forms	37
6. Construction of theta functions	44
Chapter III - Morphisms, polarizations and duality	53
7. Morphisms of Abelian manifolds and of tori	53
8. Duality of Abelian manifolds	60
9. Representations of $\text{End}_0(A)$	67
10. The structure of $\text{End}_0(A)$	73
Appendix - Geometric theory	80
References	87
Index of definitions	89