

## Contents

Preface	vii
Primes, elliptic curves and cyclic groups ALINA CARMEN COJOCARU	1
Growth and expansion in algebraic groups over finite fields HARALD ANDRÉS HELFGOTT	71
Lectures on applied $\ell$ -adic cohomology ÉTIENNE FOUVRY, EMMANUEL KOWALSKI, PHILIPPE MICHEL, and WILL SAWIN	113
Sato-Tate distributions ANDREW V. SUTHERLAND	197