

Contents

Preface	ix
Eigenfunctions of the transfer operators and the period functions for modular groups CHENG-HUNG CHANG AND DIETER H. MAYER	1
A note on dynamical trace formulas CHRISTOPHER DENINGER AND WILHELM SINGHOF	41
Small eigenvalues and Hausdorff dimension of sequences of hyperbolic three-manifolds CAROL E. FAN AND JAY JORGENSEN	57
Dynamical zeta functions and asymptotic expansions in Nielsen theory ALEXANDER FEL'SHTYN	67
Computing the Riemann zeta function by numerical quadrature WILLIAM F. GALWAY	81
On Riemann's zeta function SHAI HARAN	93
A prime orbit theorem for self-similar flows and Diophantine approximation MICHEL L. LAPIDUS AND MACHIEL VAN FRANKENHUYSEN	113
The 10^{22} -nd zero of the Riemann zeta function A. M. ODLYZKO	139
Spectral theory, dynamics, and Selberg's zeta function for Kleinian groups PETER PERRY	145
On zeroes of automorphic L -functions C. SOULÉ	167
Artin L -functions of graph coverings H. M. STARK AND A. A. TERRAS	181