

MATHEMATICAL RESEARCH LETTERS

CONTENTS

Volume 4, Number 1

January 1997

Wilhelm Schlag and Christopher D. Sogge , <i>Local smoothing estimates related to the circular maximal theorem</i>	1
John W. Morgan and Zoltán Szabó , <i>Homotopy K3 surfaces and mod 2 Seiberg-Witten invariants</i>	17
Carolyn Gordon, He Ouyang, and Dorothee Schueth , <i>Distinguishing isospectral nilmanifolds by bundle laplacians</i>	23
Peter Li , <i>Harmonic sections of polynomial growth</i>	35
G. Mikhalkin , <i>Adjunction inequality for real algebraic curves</i>	45
A. Boulkhemair , <i>Remarks on a Wiener type pseudodifferential algebra and Fourier integral operators</i>	53
A. Okounkov and G. Olshanski , <i>Shifted Jack polynomials, binomial formula, and applications</i>	69
Lizhen Ji , <i>Satake and Martin compactifications of symmetric spaces are topological balls</i>	79
Sun-Yung A. Chang and Paul C. Yang , <i>On uniqueness of solutions of n-th order differential equations in conformal geometry</i>	91
Antônio Sá Barreto and Maciej Zworski , <i>Distribution of resonances for spherical black holes</i>	103
David E. Rohrlich , <i>Realization of some Galois representations of low degree in Mordell-Weil groups</i>	123
Jean-François Mattei and Eliane Salem , <i>Complete systems of topological and analytical invariants for a generic foliation of $(\mathbb{C}^2, 0)$</i> ...	131
Serge Tabachnikov , <i>Estimates for the Bennequin number of Legendrian links from state models for knot polynomials</i>	143
Chin-Lung Wang , <i>On the incompleteness of the Weil-Petersson metric along degenerations of Calabi-Yau manifolds</i>	157
V. Guillemin and K. Okikiolu , <i>Subprincipal terms in Szegő estimates</i>	173