

MATHEMATICAL RESEARCH LETTERS

CONTENTS

Volume 10, Number 2 & 3

March–May 2003

---

<b>Luis Dieulefait</b> , <i>Modularity of abelian surfaces with quaternionic multiplication</i> . .	145
<b>Kiran S. Kedlaya</b> , <i>Semistable reduction for overconvergent <math>F</math>-isocrystals on a curve</i>	151
<b>Tom Ilmanen and Dan Knopf</b> , <i>A lower bound for the diameter of solutions to the Ricci flow with nonzero <math>H^1(M^n; \mathbb{R})</math></i> . . . . .	161
<b>A. A. Balinsky</b> , <i>Hardy type inequalities for Aharonov-Bohm magnetic potentials with multiple singularities</i> . . . . .	169
<b>Viktor Ostrik</b> , <i>Fusion categories of rank 2</i> . . . . .	177
<b>Serban Teodor Belinschi</b> , <i>On an equivalent definition of free entropy</i> . . . . .	185
<b>Burt Totaro</b> , <i>Curvature, diameter, and quotient manifolds</i> . . . . .	191
<b>Edray Herber Goins</b> , <i>Icosahedral <math>\mathbb{Q}</math>-curve extensions</i> . . . . .	205
<b>Tommaso de Fernex, Lawrence Ein, and Mircea Mustața</b> , <i>Bounds for log canonical thresholds with applications to birational rigidity</i> . . . . .	219
<b>Camil Muscalu, Terence Tao, and Christoph Thiele</b> , <i>A counterexample to a multilinear endpoint question of Christ and Kiselev</i> . . . . .	237
<b>Vyacheslav S. Krushkal</b> , <i>Dwyer’s filtration and topology of 4-manifolds</i> . . . . .	247
<b>A. Alekseev and E. Meinrenken</b> , <i>Clifford algebras and the classical dynamical Yang-Baxter equation</i> . . . . .	253
<b>Jordan S. Ellenberg</b> , <i>On the average number of octahedral modular forms</i> . . . . .	269
<b>Jian Zhou</b> , <i>Some closed formulas and conjectures for Hodge integrals</i> . . . . .	275
<b>Mu-Tao Wang</b> , <i>Gauss maps of the mean curvature flow</i> . . . . .	287
<b>Travis Schedler</b> , <i>Trigonometric solutions of the associative Yang-Baxter equation</i>	301
<b>Xiaotao Sun, Sheng-Li Tan, Kang Zuo</b> , <i>Families of <math>K3</math> surfaces over curves reaching the Arakelov-Yau type upper bounds and modularity</i> . . . . .	323
<b>Jaigyoung Choe and Robert Gulliver</b> , <i>Embedded minimal surfaces and total curvature of curves in a manifold</i> . . . . .	343
<b>Paul E. Gunnells and Eric Sommers</b> , <i>A characterization of Dynkin elements</i> . .	363
<b>Mark Kisin and Sigrid Wortmann</b> , <i>A note on Artin motives</i> . . . . .	375
<b>Sai-Kee Yeung</b> , <i>Bounded smooth strictly plurisubharmonic exhaustion functions on Teichmüller spaces</i> . . . . .	391
<b>F. Pakovich</b> , <i>On the polynomial moment problem</i> . . . . .	401