

## INDEX TO VOLUME 12

<b>Agboola, Adebisi, and Howard, Benjamin</b>	<i>Anticyclotomic Iwasawa theory of CM elliptic curves II</i> .....	611
<b>Akaho, Manabu</b>	<i>Intersection theory for Lagrangian immersions</i> .....	543
<b>Alvarez-Montaner, Josep, Blickle, Manuel, and Lyubeznik, Gennady</b>	<i>Generators of <math>D</math>-modules in positive characteristic</i> .....	459
<b>Aprodu, Marian</b>	<i>Remarks on syzygies of <math>d</math>-gonal curves</i> .....	387
<b>Arinkin, D.</b>	<i>On <math>\lambda</math>-connections on a curve where <math>\lambda</math> is a formal parameter</i> ..	551
<b>Avramov, Luchezar L., and Iyengar, Srikanth</b>	<i>Gaps in Hochschild cohomology imply smoothness for commutative algebras</i> .....	789
<b>Bennett, Jonathan, Carbery, Anthony, and Wright, James</b>	<i>A non-linear generalisation of the Loomis–Whitney inequality and applications</i> .	443
<b>Bini, Gilberto</b>	<i>Chern Classes of the Moduli Stack of Curves</i> .....	759
<b>Blickle, Manuel</b>	<i>see Alvarez-Montaner, Josep, Blickle, Manuel, and Lyubeznik, Gennady</i> .....	459
<b>Boutet de Monvel, L.</b>	<i>Logarithmic trace of toeplitz projectors</i> .....	401
<b>Boylan, Matthew</b>	<i>2-adic properties of Hecke traces of singular moduli</i> .....	593
<b>Buch, Anders Skovsted, Sottile, Frank, and Yong, Alexander</b>	<i>Quiver coefficients are Schubert structure constants</i> .....	567
<b>Buchweitz, Ragnar-Olaf, Green, Edward L., Madsen, Dag, and Solberg, Øyvind</b>	<i>Finite Hochschild cohomology without finite global dimension</i> .....	805
<b>Carbery, Anthony</b>	<i>see Bennett, Jonathan, Carbery, Anthony, and Wright, James</i> .....	443
<b>Charney, Ruth, and Crisp, John</b>	<i>Automorphism groups of some affine and finite type Artin groups</i> .....	321
<b>Chau, Albert, and Tam, Luen-Fai</b>	<i>A note on the uniformization of gradient Kähler Ricci solitons</i> .....	19
<b>Chen, PoNing, and Dolgushev, Vasiliy</b>	<i>A simple algebraic proof of the algebraic index theorem</i> .....	655
<b>Christiansen, T., and Hislop, P. D.</b>	<i>The resonance counting function for Schrödinger operators with generic potentials</i> .....	821
<b>Colliander, J., Raynor, S., Sulem, C., and Wright, J. D.</b>	<i>Ground state mass concentration in the <math>L^2</math>-critical nonlinear Schrödinger equation below <math>H^1</math></i> .....	357
<b>Corn, Patrick</b>	<i>Del Pezzo surfaces of degree 6</i> .....	75
<b>Corti, Alessio, and Smith, Ivan</b>	<i>Conifold transitions and Mori theory</i> ...	767
<b>Crisp, John</b>	<i>see Charney, Ruth, and Crisp, John</i> .....	321
<b>Dairbekov, Nurlan S., and Paternain, Gabriel P.</b>	<i>Longitudinal KAM-cocycles and action spectra of magnetic flows</i> .....	719
<b>Damanik, David, and Killip, Rowan</b>	<i>Ergodic potentials with a discontinuous sampling function are non-deterministic</i> .....	187
<b>Dani, S.G., and Schmidt, Klaus</b>	<i>Addendum to the paper Affinely infinitely divisible distributions and the embedding problem</i> .....	817

<b>Doković, Dragomir Ž., and Zhao, Kaiming</b>	<i>Jordan decomposition of bi-linear forms</i> .....	341
<b>Dolgushev, Vasiliy</b> see <b>Chen, PoNing, and Dolgushev, Vasiliy</b> .....	655	
<b>Etingof, P., and Graña, M.</b>	<i>Quantization of non-unitary geometric classical r-matrices</i> .....	141
<b>Fang, Xiang</b>	<i>The Fredholm index of quotient Hilbert modules</i> .....	911
<b>Farb, Benson, and Ivanov, Nikolai V.</b>	<i>The Torelli geometry and its applications</i> .....	293
<b>Franc Forstnerič, and Winkelmann, Jörg</b>	<i>Holomorphic discs with dense images</i> .....	265
<b>Frances, Charles, and Zeghib, Abdelghani</b>	<i>Some remarks on conformal pseudo-Riemannian actions of simple Lie groups</i> .....	49
<b>Galatolo, Stefano</b>	<i>Dimension via waiting time and recurrence</i> .....	377
<b>Gan, Wee Liang</b>	<i>On a theorem of Conant-Vogtmann</i> .....	749
<b>Goldman, William M., and Neumann, Walter D.</b>	<i>Homological action of the modular group on some cubic moduli spaces</i> .....	575
<b>Graña, M.</b> see <b>Etingof, P., and Graña, M.</b> .....	141	
<b>Green, Edward L.</b> see <b>Buchweitz, Ragnar-Olaf, Green, Edward L., Madsen, Dag, and Solberg, Øyvind</b> .....	805	
<b>Greenblatt, Michael</b>	<i>Stability of sublevel set estimates and sharp <math>L^2</math> regularity of Radon transforms in the plane</i> .....	1
<b>Grushevsky, Samuel, and Manni, Riccardo Salvati</b>	<i>Two generalizations of Jacobi's derivative formula</i> .....	921
<b>Guillarmou, Colin</b>	<i>Resonances and scattering poles on asymptotically hyperbolic manifolds</i> .....	103
<b>Hacon, Christopher D., and Pardini, Rita</b>	<i>Birational characterization of products of curves of genus 2</i> .....	129
<b>Hain, Richard M.</b> see <b>Kim, Minhyong, and Hain, Richard M.</b> .....	155	
<b>Hencl, Stanislav, Koskela, Pekka, and Onninen, Jani</b>	<i>A note on extremal mappings of finite distortion</i> .....	231
<b>Hislop, P. D.</b> see <b>Christiansen, T., and Hislop, P. D.</b> .....	821	
<b>Horozov, I.</b>	<i>Euler characteristics of arithmetic groups</i> .....	275
<b>Howard, Benjamin</b> see <b>Agboola, Adebisi, and Howard, Benjamin</b> .....	611	
<b>Ionel, Mariyanti, Karigiannis, Spiro, and Min-Oo, Maung</b>	<i>Bundle constructions of calibrated submanifolds in <math>\mathbb{R}^7</math> and <math>\mathbb{R}^8</math></i> .....	493
<b>Ionescu, Alexandru D., and Kenig, Carlos E.</b>	<i>Well-posedness and local smoothing of solutions of Schrödinger equations</i> .....	193
<b>Ito, Toshikazu, and Scárdua, Bruno</b>	<i>On the non-existence of a codimension one holomorphic foliation transverse to a sphere</i> .....	713
<b>Ivanov, Nikolai V.</b> see <b>Farb, Benson, and Ivanov, Nikolai V.</b> .....	293	
<b>Iyengar, Srikanth</b> see <b>Avramov, Luchezar L., and Iyengar, Srikanth</b> .....	789	
<b>Jost, Jürgen, and Yang, Yi-Hu</b>	<i>Heat flow for horizontal harmonic maps into a class of Carnot-Caratheodory spaces</i> .....	513
<b>Karigiannis, Spiro</b> see <b>Ionel, Mariyanti, Karigiannis, Spiro, and Min-Oo, Maung</b> .....	493	
<b>Kashaev, R. M.</b>	<i>Coordinates for the moduli space of flat <math>PSL(2, \mathbb{R})</math>-connections</i> .....	23
<b>Kato, Jun</b>	<i>Existence and uniqueness of the solution to the modified Schrödinger map</i> .....	171

<b>Kedlaya, Kiran S.</b> <i>Frobenius modules and de Jong's theorem</i> . . . . .	303
<b>Kenig, Carlos E.</b> see <b>Ionescu, Alexandru D.</b> , and <b>Kenig, Carlos E.</b> . . . . .	193
<b>Khare, Chandrashekhar, Larsen, Michael, and Ramakrishna, Ravi</b>	
<i>Transcendental <math>\ell</math>-adic Galois representations</i> . . . . .	685
<b>Killip, Rowan</b> see <b>Damanik, David, and Killip, Rowan</b> . . . . .	187
<b>Kim, Minhyong, and Hain, Richard M.</b> <i>The Hyodo-Kato theorem for rational homotopy types</i> . . . . .	155
<b>Kokotov, Alexey, and Strachan, Ian A. B.</b> <i>On the isomonodromic tau-function for the Hurwitz spaces of branched coverings of genus zero and one</i> . . . . .	857
<b>Kolář Martin</b> <i>Normal forms for hypersurfaces of finite type in <math>\mathbb{C}^2</math></i> . . . . .	897
<b>Korkmaz, Mustafa</b> <i>On stable torsion length of a Dehn twist</i> . . . . .	335
<b>Korman, Philip, Li, Yi, and Ouyang, Tiancheng</b> <i>Computing the location and the direction of bifurcation</i> . . . . .	933
<b>Koskela, Pekka</b> see <b>Hencl, Stanislav, Koskela, Pekka, and Onninen, Jani</b> . . . . .	231
<b>Lanzani, Loredana, and Stein, Elias M.</b> <i>A note on div curl inequalities</i> . . . . .	57
<b>Larsen, Michael</b> see <b>Khare, Chandrashekhar, Larsen, Michael, and Ramakrishna, Ravi</b> . . . . .	685
<b>Li, Yi</b> see <b>Korman, Philip, Li, Yi, and Ouyang, Tiancheng</b> . . . . .	933
<b>Lyubeznik, Gennady</b> see <b>Alvarez-Montaner, Josep, Blickle, Manuel, and Lyubeznik, Gennady</b> . . . . .	459
<b>Madsen, Dag</b> see <b>Buchweitz, Ragnar-Olaf, Green, Edward L., Madsen, Dag, and Solberg, Øyvind</b> . . . . .	805
<b>Manni, Riccardo Salvati</b> see <b>Grushevsky, Samuel, and Manni, Riccardo Salvati</b> . . . . .	921
<b>Matsuki, Kenji, and Olsson, Martin</b> <i>Kawamata–Viehweg vanishing as Kodaira vanishing for stacks</i> . . . . .	207
<b>Migliore, Juan, Nagel, Uwe, and Römer, Tim</b> <i>The multiplicity conjecture in low codimensions</i> . . . . .	731
<b>Mijatović, Aleksandar</b> <i>Simplicial structures of knot complements</i> . . . . .	843
<b>Miller, Luc</b> <i>Unique continuation estimates for the Laplacian and the heat equation on non-compact manifolds</i> . . . . .	37
<b>Min-Oo, Maung</b> see <b>Ionel, Marianty, Karigiannis, Spiro, and Min-Oo, Maung</b> . . . . .	493
<b>Nagel, Uwe</b> see <b>Migliore, Juan, Nagel, Uwe, and Römer, Tim</b> . . . . .	731
<b>Naumann, N.</b> <i>A quantitative sharpening of Moriwaki's arithmetic Bogomolov inequality</i> . . . . .	877
<b>Neumann, Walter D.</b> see <b>Goldman, William M., and Neumann, Walter D.</b> . . . . .	575
<b>Ni, Lei</b> <i>Ancient solutions to Kähler-Ricci flow</i> . . . . .	633
<b>Nicoleau, François</b> <i>An inverse scattering problem for short-range systems in a time-periodic electric field</i> . . . . .	885
<b>Olsson, Martin</b> see <b>Matsuki, Kenji, and Olsson, Martin</b> . . . . .	207
<b>Onninen, Jani</b> see <b>Hencl, Stanislav, Koskela, Pekka, and Onninen, Jani</b> . . . . .	231
<b>Osserman, Brian</b> <i>Deformations of covers, Brill-Noether theory, and wild ramification</i> . . . . .	483
<b>Ouyang, Tiancheng</b> see <b>Korman, Philip, Li, Yi, and Ouyang, Tiancheng</b>	933

Pardini, Rita <i>see</i> Hacon, Christopher D., and Pardini, Rita .....	129
Park, Jongil, Stipsicz, András I., and Szabó, Zoltán <i>Exotic smooth structures on <math>\mathbb{CP}^2 \# 5\overline{\mathbb{CP}}^2</math></i> .....	701
Paternain, Gabriel P. <i>see</i> Dairbekov, Nurlan S., and Paternain, Gabriel P. ....	719
Polini, Claudia, Ulrich, Bernd, and Vasconcelos, Wolmer V. <i>Normalization of ideals and Briançon-Skoda numbers</i> .....	827
Polishchuk, A. <i>Noncommutative Proj and coherent algebras</i> .....	63
Poonen, Bjorn <i>Unramified covers of Galois covers of low genus curves</i> ....	475
Prasad, Gopal, and Rapinchuk, Andrei S. <i>Zariski-dense subgroups and transcendental number theory</i> .....	239
Römer, Tim <i>see</i> Migliore, Juan, Nagel, Uwe, and Römer, Tim .....	731
Ramakrishna, Ravi <i>see</i> Khare, Chandrashekhar, Larsen, Michael, and Ramakrishna, Ravi .....	685
Rapinchuk, Andrei S. <i>see</i> Prasad, Gopal, and Rapinchuk, Andrei S.	239
Raynor, S. <i>see</i> Colliander, J., Raynor, S., Sulem, C., and Wright, J. D. ....	357
Sadovskaya, Victoria <i>On uniformly quasiconformal anosov systems</i> .....	425
Scárdua, Bruno <i>see</i> Ito, Toshikazu, and Scárdua, Bruno .....	713
Schenker, Jeffrey H., and Schulz-Baldes, Hermann <i>Semicircle law and freeness for random matrices with symmetries or correlations</i> .....	531
Schlenker, Jean-Marc <i>Hyperideal circle patterns</i> .....	85
Schmidt, Klaus <i>see</i> Dani, S.G., and Schmidt, Klaus .....	817
Schulz-Baldes, Hermann <i>see</i> Schenker, Jeffrey H., and Schulz-Baldes, Hermann .....	531
Sesum, Natasa <i>Convergence of a Kähler-Ricci flow</i> .....	623
Skorobogatov, Alexei <i>Shimura coverings of Shimura curves and the Manin obstruction</i> .....	779
Smith, Ivan <i>see</i> Corti, Alessio, and Smith, Ivan .....	767
Solberg, Øyvind <i>see</i> Buchweitz, Ragnar-Olaf, Green, Edward L., Madsen, Dag, and Solberg, Øyvind .....	805
Sottile, Frank <i>see</i> Buch, Anders Skovsted, Sottile, Frank, and Yong, Alexander .....	567
Stein, Elias M. <i>see</i> Lanzani, Loredana , and Stein, Elias M. ....	57
Stipsicz, András I. <i>see</i> Park, Jongil, Stipsicz, András I., and Szabó, Zoltán .....	701
Strachan, Ian A. B. <i>see</i> Kokotov, Alexey, and Strachan, Ian A. B. ....	857
Strichartz, Robert S. <i>Laplacians on fractals with spectral gaps have nicer Fourier series</i> .....	269
Sulem, C. <i>see</i> Colliander, J., Raynor, S., Sulem, C., and Wright, J. D. ....	357
Szabó, Zoltán <i>see</i> Park, Jongil, Stipsicz, András I., and Szabó, Zoltán .....	701
Tam, Luen-Fai <i>see</i> Chau, Albert, and Tam, Luen-Fai .....	19
Tao, Terence <i>An uncertainty principle for cyclic groups of prime order</i> ....	121
Ulrich, Bernd <i>see</i> Polini, Claudia, Ulrich, Bernd, and Vasconcelos, Wolmer V. ....	827
Vasconcelos, Wolmer V. <i>see</i> Polini, Claudia, Ulrich, Bernd, and Vasconcelos, Wolmer V. ....	827

<b>Vasy, András, and Wunsch, Jared</b> <i>Absence of super-exponentially decaying eigenfunctions on Riemannian manifolds with pinched negative curvature</i> .....	673
<b>Verbitsky, Misha</b> <i>Stable bundles on positive principal elliptic fibrations</i> .....	251
<b>Winkelmann, Jörg</b> see <b>Franc Forstnerič, and Winkelmann, Jörg</b> .....	265
<b>Wright, J. D.</b> see <b>Colliander, J., Raynor, S., Sulem, C., and Wright, J. D.</b> .....	357
<b>Wright, James</b> see <b>Bennett, Jonathan, Carbery, Anthony, and Wright, James</b> .....	443
<b>Wunsch, Jared</b> see <b>Vasy, András, and Wunsch, Jared</b> .....	673
<b>Yan, Yu</b> <i>The existence of horizons in an asymptotically flat 3-manifold</i> .....	219
<b>Yang, Yi-Hu</b> see <b>Jost, Jürgen, and Yang, Yi-Hu</b> .....	513
<b>Yong, Alexander</b> see <b>Buch, Anders Skovsted, Sottile, Frank, and Yong, Alexander</b> .....	567
<b>Zeghib, Abdelghani</b> see <b>Frances, Charles, and Zeghib, Abdelghani</b> .....	49
<b>Zhang, Qiao</b> <i>On the cubic moment of quadratic dirichlet L-functions</i> .....	413
<b>Zhao, Kaiming</b> see <b>Đoković, Dragomir Ž., and Zhao, Kaiming</b> .....	341