

## Vuonna 2014 painetut tutkimukset

Publications by the Finnish Academy of Science and Letters issued in 2014

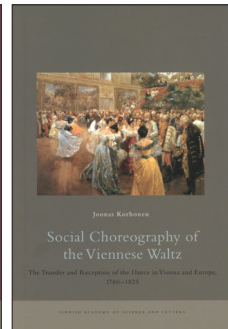
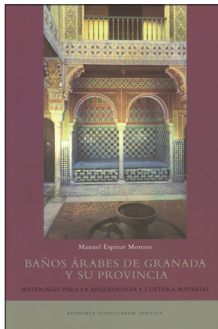
### ANNALES ACADEMIÆ SCIENTIARUM FENNICÆ

#### MATHEMATICA

Volumen 39, 2014

- Akman, Murat: On the dimension of a certain measure in the plane, 187–209
- Baroni, Paolo, and Jens Habermann: Elliptic interpolation estimates for non-standard growth operators, 119–162
- Bennouna, Jaouad, Mohamed Hammoui, and Ahmed Youssfi: On  $L^\infty$ -regularity result for some degenerate nonlinear elliptic equations, 873–886
- Bernardis, Ana, Estefanía Dalmaso, and Gladis Pradolini: Generalized maximal functions and related operators on weighted Musielak–Orlicz spaces, 23–50
- Bieske, Thomas, and Erin Martin: The parabolic  $p$ -Laplace equation in Carnot groups, 605–623
- Bilet, Viktoriia V., and Oleksiy A. Dovgoshey: Boundedness of pretangent spaces to general metric spaces, 73–82
- Budzyńska, Monika: The Denjoy–Wolff theorem for condensing mappings in a bounded and strictly convex domain in a complex Banach space, 919–940
- Cavaliere, Paola, and Andrea Cianchi: Classical and approximate Taylor expansions of weakly differentiable functions, 527–544
- Devaney, Robert L., Núria Fagella, Antonio Garijo, and Xavier Jarque: Sierpiński curve Julia sets for quadratic rational maps, 3–22
- Didenko, Victor D., and Bernd Silbermann: Some results on the invertibility of Toeplitz plus Hankel operators, 443–461
- Dyda, Bartłomiej, and Antti V. Vähäkangas: A framework for fractional Hardy inequalities, 675–689
- Eremenko, Alexandre: On the Second Main Theorem of Cartan, 859–871
- Fera, Joseph: Exceptional points for cocompact Fuchsian groups, 463–472
- Fernández-Martínez, Pedro, and Teresa M. Signes: An application of interpolation theory to renorming of Lorentz–Karamata type spaces, 97–107
- Galanopoulos, Petros, Daniel Girela, José Ángel Peláez, and Aristomenis G. Siskakis: Generalized Hilbert operators, 231–258
- Garrido, M. Isabel, and Ana S. Meroño: New types of completeness in metric spaces, 733–758
- Giannetti, Flavia, and Antonia Passarelli di Napoli: Hölder continuity of degenerate  $p$ -harmonic functions, 567–577
- Gröhn, Janne, José Ángel Peláez, and Jouni Rättyä: Jointly maximal products in weighted growth spaces, 109–118
- Guo, Qiuli, Hao Li, and Qing Wang: Quasi-Lipschitz equivalence of subsets of Ahlfors–David regular sets, 759–769
- Gupta, Subhojoy: Meromorphic quadratic differentials with half-plane structures, 305–347
- Hajłasz, Piotr, and Armin Schikorra: Lipschitz homotopy and density of Lipschitz mappings in Sobolev spaces, 593–604
- Hidalgo, Rubén A., and Milagros Izquierdo: On the connectivity of the branch locus of the Schottky space, 635–654
- Hu, Jun, and Francisco G. Jimenez-Lopez: Modified length spectrum metric on the Teichmüller space of a Riemann surface with boundary, 513–526
- Ilmavirta, Joonas: Boundary reconstruction for the broken ray transform, 485–502

- Ivert, Per-Anders, Niko Marola, and Mathias Mason: Energy estimates for variational minimizers of a parabolic doubly nonlinear equation on metric measure spaces, 711–719
- Jordan, Thomas, and Natalia Jurga: Self-affine sets with non-compactly supported random perturbations, 771–785
- Kinjo, Erina: On the length spectrum metric in infinite dimensional Teichmüller spaces, 349–360
- Lemenant, Antoine, Emmanouil Milakis, and Laura V. Spinolo: On the extension property of Reifenberg-flat domains, 51–71
- Le Thanh Hoang, Nhat, and Michel Zinsmeister: On Minkowski dimension of Jordan curves, 787–810
- Li, Bing, and Ville Suomala: A note on the hitting probabilities of random covering sets, 625–633
- Li, Fengquan: The fast diffusion equation with integrable data with respect to the distance to the boundary, 361–388
- Li, Yaxiang, Matti Vuorinen, and Xiantao Wang: Quasiconformal maps with bilipschitz or identity boundary values in Banach spaces, 905–917
- Llorente, José G.: A note on unique continuation for solutions of the  $\infty$ -mean value property, 473–483
- Luiro, Hannes, and Juho Nuutinen: On the continuity of discrete maximal operators in Sobolev spaces, 175–185
- Ma, Yumei: Isometry on linear  $n$ -normed spaces, 973–981
- Mizuta, Yoshihiro, and Takao Ohno: Sobolev's theorem and duality for Herz–Morrey spaces of variable exponent, 389–416
- Molica Bisci, Giovanni, and Vicențiu D. Rădulescu: Mountain pass solutions for nonlocal equations, 579–592
- Molica Bisci, Giovanni, and Dušan Repovš: Multiple solutions for elliptic equations involving a general operator in divergence form, 259–273
- Nawrocki, Marek: Solid hulls of the Nevanlinna and Smirnov classes, 897–904
- Nikolidakis, Eleftherios N.: A sharp integral Hardy type inequality and applications to Muckenhoupt weights on  $\mathbf{R}$ , 887–896
- Nyström, Kaj, and Andreas Rosén: Cauchy integrals for the  $p$ -Laplace equation in planar Lipschitz domains, 545–565
- Ojala, Tuomo: On  $(\alpha_n)$ -regular sets, 655–673
- Partyka, Dariusz, and Ken-ichi Sakan: Quasi-conformal and Lipschitz harmonic mappings of the unit disk onto bounded convex domains, 811–830
- Ponnusamy, Saminathan, and Karl-Joachim Wirths: On the problem of Gromova and Vasil'ev on integral means, and Yamashita's conjecture for spirallike functions, 721–731
- Rasila, Antti, and Jarno Talponen: On quasihyperbolic geodesics in Banach spaces, 163–173
- Schioppa, Andrea: On the relationship between derivations and measurable differentiable structures, 275–304
- Shinomiya, Yoshihiko: On holomorphic sections of Veech holomorphic families of Riemann surfaces, 83–95
- Sickel, Winfried, Dachun Yang, and Wen Yuan: The radial lemma of Strauss in the context of Morrey spaces, 417–442
- Steinmetz, Norbert: Complex Riccati differential equations revisited, 503–511
- Tanabe, Masaharu: A Martens-type theorem in the context of cohomology of Riemann surfaces, 941–946
- Vellis, Vyron, and Jang-Mei Wu: Sets of constant distance from a Jordan curve, 211–230
- Wulan, Hasi, and Fangqin Ye: Universal Teichmüller space and  $Q_k$  spaces, 691–709
- Yanagishita, Masahiro: Introduction of a complex structure on the  $p$ -integrable Teichmüller space, 947–971
- Zürcher, Thomas: Space-filling vs. Luzin's condition (N), 831–857

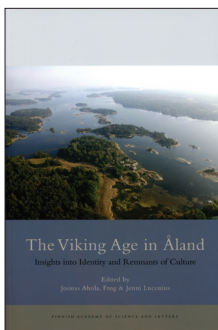


## HUMANIORA

367. ESPINAR MORENO, MANUEL: Baños árabes de Granada y su provincia. Materiales para la arqueología y cultura material. 350 pp. 40 €

370. KORHONEN, JOONAS: Social Choreography of the Viennese Waltz. The Transfer and Reception of the Dance in Vienna and Europe, 1780–1825. 228 pp. 35 €

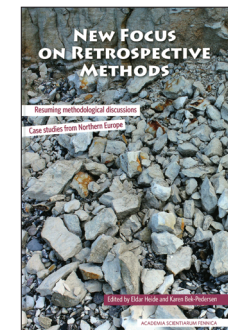
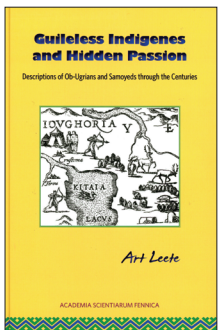
372. The Viking Age in Åland. Insights into Identity and Remnants of Culture. Edited by JOONAS AHOLA & FROG & JENNI LUCENIUS. 427 pp. 40 €



## FOLKLORE FELLOWS' COMMUNICATIONS

306. ART LEETE: Guileless Indigenes and Hidden Passion. Descriptions of Ob-Ugrians and Samoyeds through the Centuries. 308 pp.

307. New Focus on Retrospective Methods. Resuming methodological discussions. Case studies from Northern Europe. Edited by EL-DAR HEIDE & KAREN BEK-PEDERSEN. 230 pp.



FF Network 44, July 2014. 36 pp.

FF Network 45, December 2014. 28 pp.

## SUOMALAISEN TIEDEAKATEMIAN VUOSIKIRJA

Vuosikirja – Year Book, 2013. Toim. – Ed. Olli Martio. 180 pp. 15 €

