Jakub Duda

On inverses of δ-convex mappings

Preprint No. KMA-2000-30

April 2000

Submitted to *Comment. Math. Univ. Carolinae*

Department of Mathematical Analysis, Faculty of Mathematics and Physics,
Charles University, Sokolovská 83, 186 75 Praha 8, Czech Republic

http://www.karlin.mff.cuni.cz/kma-preprints/

Cover print by Reprostředisko, Malostranské nám. 25, Praha 1 - Malá Strana
Design by Mirko Rokyta, picture of snowflake by Ondřej Kalenda
Current series administrator: Mirko Rokyta

List of preprints released in this series

All preprints available on http://www.karlin.mff.cuni.cz/kma-preprints/
E-mail contact to series administrator: kma-prep@karlin.mff.cuni.cz

1999

[KMA-1999-01] Miroslav Zelený, Jan Pelant: *The structure of the σ-ideal of σ-porous sets.* (June 1999)

[KMA-1999-02] Ondřej Kalenda: *Valdivia compacta and equivalent norms.* (June 1999)

[KMA-1999-03] Ondřej Kalenda: *Embedding the ordinal segment $[0, \omega_1]$ into continuous images of Valdivia compacta.* (June 1999)

[KMA-1999-04] Jan Kolář, Jaroslav Lukeš: *Simultaneous solutions of the weak Dirichlet problem.* (June 1999)

[KMA-1999-05] Bohuslav Balcar, Miroslav Hušek: *Sequential continuity and submeasurable cardinals.* (June 1999)

[KMA-1999-06] Mirko Rokyta: *On the solvability of a nonlinear discrete problem corresponding to a higher-order finite volume approximation in 2D.* (June 1999)

[KMA-1999-07] Jan Čerych: *Pervasive algebras on planar compacts.* (June 1999)

[KMA-1999-08] Petr Holický, Miroslav Zelený: *Arsenin - Kunugui theorem and weak forms of Borel bimeasurability.* (June 1999)

[KMA-1999-09] Petr Holický: *Generalized analytic spaces, completeness and fragmentability.* (June 1999)

[KMA-1999-10] David E. Edmunds, Ron Kerman, Luboš Pick: *Optimal Sobolev imbeddings involving rearrangement-invariant quasinorms.* (August 1999)

[KMA-1999-11] A. Cianchi, R. Kerman, B. Opic, L. Pick: *A sharp rearrangement inequality for fractional maximal operator.* (September 1999)

[KMA-1999-12] Ondřej Kalenda: *Valdivia compacta and subspaces of $C(K)$ spaces.* (October 1999)

[KMA-1999-13] David Preiss, Luděk Zajíček: *On Dini and approximate Dini derivates of typical continuous functions.* (October 1999)

[KMA-1999-14] Ondřej Kalenda: *Valdivia compacta and biduals of Asplund spaces.* (November 1999)

[KMA-1999-15] Janusz J. Charatonik, Pavel Pyrih: *On piecewise confluent mappings.* (December 1999)

[KMA-1999-16] Janusz J. Charatonik, Pavel Pyrih: *Atomic mappings can spoil lightness of open mappings.* (December 1999)

[KMA-1999-17] Miroslav Zelený: *Remark on Debs – Saint-Raymond theorem.* (December 1999)

2000

[KMA-2000-18] Ralph Chill, Eva Fašangová: *Equality of two spectra arising in harmonic analysis and semigroup theory.* (January 2000)

[KMA-2000-19] Jan Malý: *Sufficient conditions for change of variables in integral.* (February 2000)

[KMA-2000-20] Pavel Pyrih: *An example for mappings related to semi-confluence.* (February 2000)

[KMA-2000-21] Pavel Pyrih, David Opěla, Robert Šámal: *An example of openly minimal dendrite.* (February 2000)

[KMA-2000-22] Jiří Spurný: *On the Dirichlet problem for functions of the first Baire class.* (February 2000)

[KMA-2000-23] Pavel Pyrih: *An example of self-homeomorphic dendrite not strongly self-homeomorphic.* (February 2000)

[KMA-2000-24] Pavel Pyrih, Tomáš Bárta, David Opěla, Pavel Růžička, Robert Šámal: *Irreducible mapping and the lightness of open mappings.* (February 2000)

[KMA-2000-25] Amiran Gogatishvili, Luboš Pick: *Duality principles and reduction theorems.* (March 2000)

[KMA-2000-26] David Opěla, Pavel Pyrih, Robert Šámal: *Chain of dendrites openly unbounded from bellow.* (March 2000)

[KMA-2000-27] Petr Holický, Václav Komínek: *Two remarks on the structure of the set of exposed and extreme points.* (March 2000)

[KMA-2000-28] David Preiss, Luděk Zajíček: *Directional derivatives of Lipschitz functions.* (March 2000)

[KMA-2000-29] Ondřej Kalenda: *A characterization of weakly Lindelöf determined Banach spaces.* (March 2000)

[KMA-2000-30] Jakub Duda: *On inverses of δ-convex mappings.* (April 2000)