

LISTĂ DE LUCRĂRI ȘTIINȚIFICE

Conf. univ. dr. Marcelina MOCANU

Teza de doctorat

Mocanu Marcelina-**Generalizări ale cvasiconformității**, teză susținută în 19 mai 2000, Conducător științific: Prof. univ. dr. Cabiria Andreian Cazacu, Referenți: Acad. Prof. univ. dr. Petru Mocanu, Prof. univ. dr. Mihai Cristea, C.S. I Petru Caraman

Cărți

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6. Popa Valeriu, **Mocanu Marcelina**, Spătaru-Burcă Genoveva - Matematici speciale, Editura Plumb, Bacău 2002, 143 pp., ISBN 973-634-005-8

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5. **Mocanu Marcelina**, A Poincaré Inequality for Orlicz–Sobolev Functions with Zero Boundary Values on Metric Spaces, *Complex Analysis and Operator Theory*, vol. 5, no.3, September 2011, 799-810, ISSN 1661-8254. (IF 2011:0,600)
6. **Mocanu Marcelina**, A generalization of Orlicz–Sobolev spaces on metric measure spaces via Banach function spaces, *Complex Variables and Elliptic Equations*, vol. 55, issue 1-3 (2010), January-March 2010, 253-267, ISSN 1747-6933 (IF 2010: 0,409)
7. Popa Valeriu, **Mocanu Marcelina**- Altering distance and common fixed points under implicit relations, *Hacetetepe Journal of Mathematics and Statistics*, 2009, vol. 38, no.3, 1-9, ISSN 1303-5010. (IF 2009: 0,128).
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Alte lucrări

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Lucrări prezentate la conferințe

Conferințe internaționale

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2. **Mocanu Marcelina-** On the differentiability of Orlicz-Sobolev functions on metric measure spaces, International Conference on Complex Analysis and Related Topics. The 14-th Romanian-Finnish Seminar, June 20-24, Bucharest, IMAR, <http://imar.ro/RoFinSem2016/participants.php>
3. **Mocanu Marcelina-** Obstacle problems with nonstandard growth conditions on metric measure spaces, International Conference on Pure and Applied Mathematics, Iași, Romania, November 6-8, 2015
4. **Mocanu Marcelina-** Cheeger differentiable Orlicz-Sobolev functions on metric spaces, The Eighth Congress of Romanian Mathematicians, June 26-July 1, 2015, Iași <http://www.math.uaic.ro/cmr2015/>
5. **Mocanu Marcelina-** Differentiability properties of Orlicz-Sobolev functions on metric measure spaces, The 22nd Conference on Applied and Industrial Mathematics CAIM 2014, September 18-21, 2014, Bacău
6. **Mocanu Marcelina-** Gehring's Lemma for Orlicz Spaces on Metric Spaces and Regularity Properties of Minimizers of Variational Integrals, International Conference on Applied and Pure Mathematics, Department of Mathematics, "Gh. Asachi" Technical University, Iassy, November 1-3, 2013
7. **Mocanu Marcelina-** Approximation by Lipschitz functions in abstract Sobolev spaces on metric spaces, The 13th Romanian-Finnish Seminar, June 26-30, 2012, Ploiești, Romania
8. **Mocanu Marcelina-** Embeddings of Orlicz-Sobolev spaces on metric measure spaces and Orlicz-Poincaré inequalities, The Seventh Congress of Romanian Mathematicians, June 29-July 5, 2011, Brașov, Romania
9. **Mocanu Marcelina-** Density of Lipschitz functions in Orlicz-Sobolev spaces with zero boundary values on metric measure spaces, International Conference "Applied and fundamental mathematics", November 12-14, 2010, Universitatea Tehnică "Gh. Asachi" Iași, Facultatea de Electronică, Telecomunicații și Tehnologia Informației

10. **Mocanu Marcelina-** Regularity and embedding theorems for Orlicz-Sobolev spaces on metric measure spaces, “Alexandru Myller” Mathematical Seminar Centennial Conference, June 21-26, 2010, University “Al. I. Cuza” Iași, Romania
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22. **Mocanu Marcelina-** Some sufficient conditions for the convergence of derivatives of weakly quasiregular mappings, International Conference "XII-th Conference on Analytic Functions", University Marie Curie-Sklodowska, Lublin, Poland, August 30-September 4, 1998
23. **Mocanu Marcelina-** On the Green function for some quasilinear elliptic equations and quasiregular mappings, International Colloquium "The risk in contemporary economy", 9-10 mai 1997, University Dunărea de Jos of Galați.

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10. **Mocanu Marcelina-** Quasiconformal homeomorphisms, Sobolev spaces an F-extremals in metric spaces, Jubilee session , University of Bacău, November 2001.
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Postere la conferințe internaționale

1. **Mocanu Marcelina-** An extension of Gehring's lemma to Orlicz spaces on metric measure spaces, Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society in partnership with the Simion Stoilow Institute of Mathematics of the Romanian Academy June 27 - 30, 2013, Alba Iulia, Romania
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Prezentări invitate

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Proiecte de cercetare / dezvoltare

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Actualizat: 10 ianuarie 2019