

Cezar Joița

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RESEARCH INTERESTS:

- Several Complex Variables
- Complex Geometry

EDUCATION:

- 1995 - 2000, Doctoral Program in Mathematics at SUNY at Buffalo, U.S.A. Ph.D. in Mathematics, June 2000. Advisor: Mohan Ramachandran.
- 1988 - 1993, The Faculty of Mathematics, University of Bucharest, Romania. Advisor: Martin Jurchescu.

EMPLOYMENT:

- 2004 - present: Researcher at the Institute of Mathematics "Simion Stoilow" of the Romanian Academy, Bucharest, Romania.
- 2002 - 2004: Everett Pitcher Visiting Professor at Lehigh University, U.S.A.
- 2000 - 2002: Postdoctoral Fellow at The University of Western Ontario, Canada.
- 1995 - 2000: Teaching Assistant, SUNY at Buffalo, U.S.A.
- 1993 - 1995: Researcher at Institute of Mathematics "Simion Stoilow" of the Romanian Academy, Bucharest, Romania.

SERVICES:

- Scientific Secretary, Institute of Mathematics of the Romanian Academy, 2012 - 2016.
- Member of the Romanian National Research Council, 2011 - 2013 and 2020

AWARDS:

- “Simion Stoilow” Prize of the Romanian Academy awarded in 2009 for papers published in 2007.

OTHERS:

- Marie Curie International Reintegration Grant, 2005 - 2007.
- Member of the Editorial Board of Proceedings of the Romanian Academy, Series A.
- Scientific Secretary of the Editorial Board of Mathematical Reports.
- Scientific Secretary of the Editorial Board of Revue Roumaine de Mathématiques Pures et Appliquées.

PUBLICATIONS:

- Cezar Joița: Polynomial convexity properties of closure of domains biholomorphic to balls. *Studia Universitatis Babeș-Bolyai Mathematica*, **67** (2022), 309–316.
- Cezar Joița, Mihai Tibăr: The local image problem for complex analytic maps. *Arkiv för Matematik* **59** (2021), 345–358.
- Luis Renato G. Dias, Cezar Joița, Mihai Tibăr: Atypical points at infinity and algorithmic detection of the bifurcation locus of real polynomials. *Mathematische Zeitschrift* **298** (2021), 1545–1558.
- Mihnea Colțoiu, Cezar Joița: Geometric Convexity Properties of Coverings of 1-Convex Surfaces. *The Journal of Geometric Analysis* **31** (2021), 475–489.
- Cezar Joița, Mihai Tibăr: Images of analytic map germs and singular fibrations. *European Journal of Mathematics* **6** (2020), 888–904.
- Mihnea Colțoiu, Cezar Joița: Some problems related to the Levi problem for Riemann domains over Stein spaces. *Complex Variables and Elliptic Equations* **65** (2020), 713–716.
- Cezar Joița, Mihai Tibăr: Bifurcation set of multi-parameter families of complex curves. *Journal of Topology* **11** (2018), 739–751.
- Hervé Gaussier, Cezar Joița: On Runge neighborhoods of closures of domains biholomorphic to a ball. *Geometric Function Theory in Higher Dimension*, Springer INdAM Series 2018, 63–66.

- Cezar Joița, Mihai Tibăr: Bifurcation values of families of real curves. *Proceedings of the Royal Society of Edinburgh, Section: A Mathematics* **147** (2017), 1233–1242.
- Mihnea Colțoiu, Cezar Joița: Convexity properties of intersections of decreasing sequences of q -complete domains in complex spaces. *Publications of the Research Institute for Mathematical Sciences* **53** (2017), 587 – 595.
- Mihnea Colțoiu, Cezar Joița: Finite coverings of complex spaces by connected Stein open sets. *Mathematische Zeitschrift* **287** (2017), 929 – 946.
- Mihnea Colțoiu, Cezar Joița: On Runge-curved domains in Stein spaces. *Annali della Scuola Normale Superiore di Pisa* (5), **XVI** (2016), no. 4, 1185–1192.
- Mihnea Colțoiu, Cezar Joița: On the parametrization of germs of two-dimensional singularities. *The Journal of Geometric Analysis* **25** (2015), 2427–2435.
- Mihnea Colțoiu, Cezar Joița: On the separation of the cohomology of universal coverings of 1-convex surfaces. *Advances in Mathematics*, **265** (2014), 362–370.
- Mihnea Colțoiu, Klas Diederich, Cezar Joița: On complex spaces with prescribed singularities. *Mathematical Research Letters* **20** (2013), no. 5, 857–868.
- Mihnea Colțoiu, Cezar Joița: Convexity properties of coverings of 1-convex surfaces. *Mathematische Zeitschrift* **275** (2013), no. 3-4, 781 – 792.
- Mihnea Colțoiu, Cezar Joița: On the open immersion problem. *Mathematische Annalen* **356** (2013), no.3, 1203 – 1211.
- Mihnea Colțoiu, Natalia Gașitoi, Cezar Joița: On the image of an algebraic projective space. *Comptes Rendus Mathématique* **350** (2012), no. 5-6, 239–241.
- Mihnea Colțoiu, Cezar Joița, Mihai Tibăr: q -convexity properties of the coverings of a link singularity. *Publications of the Research Institute for Mathematical Sciences* **48** (2012), no. 2, 409–417.
- Cezar Joița: The disk property. A short survey. *An. Stiint. Univ. "Ovidius" Constanta Ser. Mat.* **20** (2012), no. 2, 35–42.
- Mihnea Colțoiu, Cezar Joița: The disk property of coverings of 1-convex surfaces. *Proceedings of the AMS* **140** (2012), no. 2, 575–580.
- Mihnea Colțoiu, Cezar Joița: The Levi problem in the blow-up. *Osaka Journal of Mathematics* **47** (2010), no. 4, 943–947.
- Cezar Joița: Prescribing Projections of Runge Domains in Stein Spaces. *Mathematical Reports* **12** (2010), no. 2, 137–143.
- Gabriel Chiriacescu, Mihnea Colțoiu, Cezar Joița: Analytic cohomology groups in top degrees of Zariski open sets in \mathbb{P}^n . *Mathematische Zeitschrift* **264** (2010), no. 3, 671–677.

- Cezar Joița, Daniela Joița: Minors in Weighted Graphs. *The Bulletin of the Australian Mathematical Society* **77** (2008), no. 3, 455–464.
- Cezar Joița: On Uniformly Runge Domains. *Journal of Mathematics of Kyoto University* **47** (2007), no. 4, 875–880.
- Cezar Joița: On a problem of Bremermann concerning Runge domains. *Mathematische Annalen* **337** (2007), no. 2, 395–400.
- Cătălin Georgescu, Cezar Joița, William Nowell, Pantelimon Stănică: Chaotic dynamics of a rational map. *Discrete and Continuous Dynamical Systems, Series A* **12** (2005), no.2, 363-375.
- Cezar Joița, Pantelimon Stănică: Inequalities related to rearrangements of powers and symmetric polynomials. *JIPAM. J. Inequal. Pure Appl. Math.* **4** (2003), no. 2.
- Cezar Joița, Finnur Lárússon: The third Cauchy-Fantappie formula of Leray. *Michigan Mathematical Journal* **51** (2003), no. 2, 339-350.
- Cezar Joița: Traces of Convex Domains. *Proceedings of the AMS* **131** (2003) no. 9, 2721-2725.
- Cezar Joița: On the n-concavity of covering spaces with parameters. *Mathematische Zeitschrift* **245** (2003), no. 2, 221-231.
- Cezar Joița: On the projection of pseudoconvex domains. *Mathematische Zeitschrift* **233** (2000), no. 4, 625-631.

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