

Costin VÎLCU – Listă de lucrări (septembrie 2013)

Preprinturi

- P1.** J. Itoh, J. Rouyer, C. Vilcu: *On the Theorem of the Three Perpendiculars*, arXiv:1307.1577.
- P2.** J. Itoh, J. Rouyer, C. Vilcu: *Moderate smoothness of Alexandrov surfaces*, arXiv:1308.3862.
- P3.** J. Itoh, C. Vilcu: *Orientable cut locus structures on graphs*, arXiv:1103.3136.
- P4.** J. Itoh, C. Vilcu: *On the number of cut locus structures on graphs*, arXiv:1103.1764.
- P5.** J. Itoh, C. Vilcu: *Every graph is a cut locus*, trimisă la (revizuire cerută de) **J. Math. Soc. Japan**; arXiv:1103.1759.
- P6.** J. Itoh, J. O'Rourke, C. Vilcu: *Source Unfoldings of Convex Polyhedra with respect to Certain Closed Polygonal Curves*, trimisă la (revizuire cerută de) **Comput. Geom. Th. Appl.** (20 pag.); extended abstract as [CA3].

Articole în reviste

- A1.** J. O'Rourke, C. Vilcu: *Development of Curves on Polyhedra via Conical Existence*, **Comput. Geom. Theory Appl.**, to appear; arXiv:1102.0823; extended abstract as [CA2].
- A2.** I. Bárány, J. Itoh, C. Vilcu, T. Zamfirescu: *Every point is critical*, **Adv. Math.** 235 (2013), 390-397.
- A3.** J. Itoh, C. Vilcu: *Cut locus structures on graphs*, **Discrete Math.** 312 (2012), 524-531; arXiv:1103.1759.
- A4.** J. Rouyer, C. Vilcu: *Sets of tetrahedra, defined by maxima of distance functions*, **An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat.** 20 (2012), 197-212.
- A5.** K. Ieiri, J. Itoh, C. Vilcu: *Quasigeodesics and farthest points on convex surfaces*, **Adv. Geom.** 11 (2011), 571-584.
- A6.** J. Itoh, J. O'Rourke, C. Vilcu: *Star unfolding convex polyhedra via quasigeodesic loops*, **Discrete Comput. Geom.** 44 (2010), 35-54; extended abstract as [CA4].
- A7.** J. Itoh, C. Vilcu: *What do cylinders look like?*, **J. Geom.** 95 (2009), 41-48.
- A8.** J. Itoh, C. Vilcu: *Criteria for farthest points on convex surfaces*, **Math. Nach.** 282 (2009), 1537-1547.
- A9.** C. Vilcu: *On typical degenerate convex surfaces*, **Math. Ann.** 340 (2008), 543-567.
- A10.** C. Vilcu: *Common maxima of distance functions on Alexandrov surfaces*, **J. Math. Soc. Japan** 60 (2008), 51-64.
- A11.** J. Itoh, J. Rouyer, C. Vilcu: *Antipodal convex hypersurfaces*, **Indag. Math.** 19 (2008), 411-426.
- A12.** C. Vilcu, T. Zamfirescu: *Multiple farthest points on Alexandrov surfaces*, **Adv. Geom.** 7 (2007), 83-100.

- A13.** J. Itoh, C. Vîlcu: *On the length of simple closed quasigeodesics on convex surfaces*, **C. R. Math. Acad. Sci. Paris**, Ser. I. 343 (2006), 259-264.
- A14.** C. Vîlcu: *Properties of the farthest point mapping on convex surfaces*, **Rev. Roum. Math. Pures Appl.** 51 (2006), 125-134; also as [BC2].
- A15.** C. Vîlcu, T. Zamfirescu: *Symmetry and the farthest point mapping on convex surfaces*, **Adv. Geom.** 6 (2006), 345-353.
- A16.** J. Itoh, C. Vîlcu: *Farthest points and cut loci on some degenerate convex surfaces*, **J. Geom.** 80 (2004), 106-120.
- A17.** C. Vîlcu: *On Two Conjectures of Steinhaus*, **Geom. Dedicata** 79 (2000), 267-275.
- A18.** C. Vîlcu: *Tangent Bundles and Submanifolds*, **Bull. Math. Soc. Sci. Math. Roum.** 40 (1997), 43-48.

Capitole de carte / Volume de conferințe

- BC1.** J. Itoh, C. Nara, C. Vîlcu: *Continuous flattening of convex polyhedra*, in *Computational Geometry, Lecture Notes in Computer Science* 7579, 85-97, Springer Verlag, 2012; extended abstract as [CA1].
- BC2.** C. Vîlcu: *Properties of the farthest point mapping on convex surfaces*, in *Papers on Convexity and Discrete Geometry and other nice fields - Dedicated to Tudor Zamfirescu on the occasion of his 60th birthday*, Ed. Academiei Romane, 2006.
- BC3.** C. Vîlcu: *On Some Submanifolds of Bochner Flat Indefinite Kähler Manifolds*, in *Lucrările Conf. Anuale a Soc. de Științe Matematice, București 1997*, 311-315.

Volume cu rezumate extinse

- CA1.** J. Itoh, C. Nara, C. Vîlcu: *Continuous flattening of convex polyhedra*, *Proc. of the XIV Spanish Meeting on Computational Geometry (EGC2011)*, Centre de Recerca Matemàtica (CRM), Documents vol. 8, 2011, 95-98; ISSN 2014-2323.
- CA2.** J. O'Rourke, C. Vîlcu: *Development of Curves on Polyhedra via Conical Existence*, *Proc. 23rd Canadian Conference on Computational Geometry (CCCG'11)*, 71-76.
- CA3.** J. Itoh, J. O'Rourke, C. Vîlcu: *Source Unfoldings of Convex Polyhedra with respect to Certain Closed Polygonal Curves*, in *EuroCG'09 – 25th European Workshop on Computational Geometry*, 61-64.
- CA4.** J. Itoh, J. O'Rourke, C. Vîlcu: *Star unfolding convex polyhedra via quasigeodesic loops*, in *Fall Workshop on Computational Geometry 2007*, 3-4.

Altele

- C. Vîlcu: *O idee din geometria convexă*, **Gazeta Matematică (ser. Științifică și Metodică)** 3/1997, 193-196.