

## **Ioannis Papadoperakis**

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### ***Education***

Ph.D. in Mathematics, University of Crete, Crete, Greece, 1994

M.A. in Mathematics, University of Crete, Crete, Greece, 1988

BSc. in Mathematics, University of Athens, Athens, Greece, 1983

### ***Research interests***

Functions of a complex variable, Universal Taylor series, Geometric Topology, Topology of Low Dimension, Hyperbolic Geometry.

### ***Papers***

- 1) Melas, A.; Nestoridis, V.; Papadoperakis, I. *Growth of coefficients of universal Taylor series and comparison of two classes of functions*. J. Anal. Math. 73 (1997), 187--202.
- 2) Papadoperakis, Ioannis *Weak star limits of probability measures of special type*. Math. Proc. Cambridge Philos. Soc. 127 (1999), no. 1, 173—191.
- 3) Papadoperakis, Ioannis *An estimate for the problem of illumination of the boundary of a convex body in  $E^3$* . Geom. Dedicata 75 (1999), no. 3, 275--285.
- 4) Papadoperakis, I. *Families of congruent curves and applications*. Mathematika 46 (1999), no. 2, 241--252.
- 5) Katsoprinakis, E.; Nestoridis, V.; Papadoperakis, I. *Universal Faber series*. Analysis (Munich) 21 (2001), no. 4, 339--363.
- 6) Charitos, Charalambos; Papadoperakis, Ioannis *On the geometry of hyperbolic surfaces with a conical singularity*. Ann. Global Anal. Geom. 23 (2003), no. 4, 323--357.

- 7) Costakis, G.; Nestoridis, V.; Papadoperakis, I. *Universal Laurent series*. Proc. Edinb. Math. Soc. (2(2005), no. 3,) 48, 571--583.
- 8) Charitos, Charalampos; Papadoperakis, Ioannis *Parameters for generalized Teichmüller spaces*. Handbook of Teichmüller theory. Vol. I, 471--506, IRMA Lect. Math. Theor. Phys., 11, Eur. Math. Soc., Zürich, 2007.
- 9) Charitos, Charalampos; Papadoperakis, Ioannis; Tsapogas, Georgios *Incompressible surfaces in handlebodies and isotopies*. Topology Appl. 155 (2008), no. 7, 696--724.
- 10) Charitos, Charalambos; Papadoperakis, Ioannis *Ergodicity of invariant measures for the geodesic flow on quotient spaces of real trees*. Houston J. Math. 34 (2008), no. 4, 1121--1143.
- 11) Charitos, Charalambos; Papadoperakis, Ioannis; Vrontakis, Emmanuel. *On the boundary of a special class of hyperbolic two-dimensional simplicial complexes*. J. Geom. 94 (2009), no. 1-2, 7—30.
- 12) Charitos, Charalampos; Papadoperakis, Ioannis; Tsapogas, Georgios *On the mapping class group of a genus 2 handlebody*. Topology Appl. 158 (2011), no. 8, 978--995.
- 13) Charitos, Charalampos; Papadoperakis, Ioannis *Generalized Teichmüller space of non-compact 3-manifolds and Mostow rigidity*. Q. J. Math. 62 (2011), no. 4, 871--889.
- 14) Charitos, Charalampos; Papadoperakis, Ioannis; Tsapogas, Georgios *A complex of incompressible surfaces for handlebodies and the mapping class group*. Monatsh. Math. no. 3-4, 405--415.
- 15) Mouze, Augustin; Nestoridis, Vassili; Papadoperakis, Ioannis; Tsirivas, Nikolaos *Determination of a Universal Series*. Computational Methods and Function Theory. Volume 12(2012), No. 1, 173-199.
- 16) Charitos, C.; Papadoperakis, I.; Papadopoulos, A. *On the homeomorphisms of the space of geodesic laminations on a hyperbolic surface*. Proceedings of the AMS. 2012. Articles in press.
- 17) Nestoridis, V.; Papadoperakis, I. *Remark on Two Extensions of the Disc Algebra and Mergelyan's Theorem*. arXiv:1104.0833.
- 18) Fragoulopoulou, M.; Nestoridis, V.; Papadoperakis, I. *Some results on spherical approximation*. Bull. Lond. Math. Soc 45 (2013), no. 6, 1171--1180.

- 19) Charitos, Charalampos; Papadoperakis, Ioannis; Tsapogas, Georgios *On the Mapping Class Group of a Heegaard splitting*. Glasgow J. of Math. 56, 93-101, 2014.
- 20) Charitos, Charalampos; Papadoperakis, Ioannis; *On the geometry of flat surfaces with a single Singularity*, J. Geom. 106, 255-278, 2015.
- 21) Charitos, Charalampos; Papadoperakis, Ioannis; Tsapogas, Georgios *The geometry of Euclidean surfaces with conical singularities*, to appear in *Mathematische Zeitschrift*, arXiv:1306.1759.