

LISTA DE LUCRĂRI

SERGIU MOROIANU

- (1) *Boundaries of locally conformally flat manifolds in dimensions $4k$* , Indiana University Mathematics Journal **67** (2018), no. 1, 329–342.
- (2) *Convexity of the renormalized volume of hyperbolic 3-manifolds*, Amer. J. Math. **139** (2017), no. 5, 1379–1394.
- (3) *Renormalized volume on the Teichmüller space of punctured surfaces*, (with Colin Guillarmou and Frédéric Rochon), Ann. Sc. Norm. Super. Pisa, Cl. Sci. **17** (2017), 323–384.
- (4) *On pluricanonical locally conformally Kähler manifolds*, (with Andrei Moroianu), Int. Math. Res. Not. **2017** (14), 4398–4405 (2017).
- (5) *Positivity of the renormalized volume of almost-Fuchsian hyperbolic 3-manifolds* (with Corina Ciobotaru), Proc. AMS. **144** (2016), 151–159.
- (6) *The Cotton tensor and Chern-Simons invariants in dimension 3: an introduction*, Buletinul Academiei de Științe a Republicii Moldova. Matematica **78**, no. 2 (2015), 3–20.
- (7) *A Spinorial Approach to Riemannian and Conformal Geometry* (book in collaboration with Jean-Pierre Bourguignon, Oussama Hijazi, Jean-Louis Milhorat, and Andrei Moroianu, 458 pages), EMS Monographs in Mathematics, 2015.
- (8) *Ricci surfaces*, (with Andrei Moroianu), Ann. Sc. Norm. Super. Pisa Cl. Sci. **14**, no. 4 (2015), 1093–1118.
- (9) *Chern-Simons line bundle on Teichmüller space*, (with Colin Guillarmou), Geometry & Topology **18** (2014), 327–377.
- (10) *The Cauchy problems for Einstein metrics and parallel spinors*, (cu Bernd Ammann și Andrei Moroianu), Commun. Math. Phys. **320**, 173–198 (2013).
- (11) *Bergman and Calderón projectors for Dirac operators*, (cu Colin Guillarmou și Jinsung Park), preprint arXiv:1009.3179, J. Geom Analysis **24**, no. 1 (2014), 298–336.
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- (13) *The spectrum of k -form Schrödinger Laplacians on conformally cusp manifolds* (cu Sylvain Golénia), Trans. Amer. Math. Soc. **364** (2012), 1–29.
- (14) *The Dirac operator on generalized Taub-NUT spaces*, (cu Andrei Moroianu), Commun. Math. Phys. **305** (2011), 641–656.
- (15) *Regularity of the eta function on manifolds with cusps*, (cu Paul Loya și Jinsung Park), Math. Zeitschrift **269** (2011), no. 3–4, 955–975.
- (16) *Eta invariant and Selberg Zeta function of odd type over convex co-compact hyperbolic manifolds*, (cu Colin Guillarmou și Jinsung Park), Advances in Math. **225** (2010), no. 5, 2464–2516.
- (17) *Quasi-fuchsian manifolds with particles* (cu Jean-Marc Schlenker), J. Differ. Geom. **83** (2009), 75–129.
- (18) *Weyl laws on open manifolds*, Math. Annalen **340**, nr. 1 (2008), 1–21.
- (19) *Index and homology of pseudodifferential operators on manifolds with boundary* (cu Victor Nistor), Perspect. Operat. Algebras Math. Phys. (2008), 123–148.

- (20) *Spectral analysis of magnetic Laplacians on conformally cusp manifolds* (cu Sylvain Golénia), Ann. H. Poincaré **9** (2008), 131–179.
- (21) *Adiabatic limit of the eta invariant over cofinite quotients of $PSL(2, R)$* (cu Paul Loya și Jinsung Park), Compositio Mat. **144** (2008), 1593–1616.
- (22) *On the structure of quantum permutation groups* (cu Teodor Banica), P. Am. Mat. Soc. **135** (2007), 21–29.
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- (24) *The Dirac spectrum on manifolds with gradient conformal vector fields*, (cu Andrei Moroianu), J. Funct. Analysis. **253** nr. 1 (2007), 207–219.
- (25) *On the L^p index of spin Dirac operators on conical manifolds*, (cu André Legrand), Studia Math. **177** (2006), 97–112.
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- (30) *Gravitational and axial anomalies for generalized Euclidean Taub-NUT metrics* (cu Ion Cotăescu și Mihai Vişinescu), J. Phys. A – Math. Gen. **38** (2005), 7005–7019.
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- (39) *Fredholm Theory for degenerate pseudodifferential operators on manifolds with fibered boundaries*, (cu Robert Lauter), Comm. Partial Diff. Equat. **26** (2001), 233–285.