

SCIENTIFIC PAPERS

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1. ARTICLES

REFERENCES

- [1] A. Figà-Talamanca, M. A. Picardello, *Multiplicateurs de $A(G)$ qui ne sont pas dans $B(G)$* , C. R. Acad. Sci. Paris **277** (1973), 117-119.
- [2] M. A. Picardello, *Lacunary sets in discrete noncommutative groups*, Boll. Un. Mat. It. **8** (1973), 494-508.
- [3] M. A. Picardello, *Random Fourier series on compact noncommutative groups*, Canad. J. Math. **27** (1975), 1400-1407.
- [4] A. Figà-Talamanca, M. A. Picardello, *Functions that operate on the algebra $B_0(G)$* , Pacific J. Math. **74** (1978), 57-61.
- [5] M. A. Picardello, *Locally compact unimodular groups with atomic dual*, Rend. Sem. Mat. Fis. Milano **48** (1978), 197-216.
- [6] M. A. Picardello, *A unimodular non-type I group with purely atomic regular representation*, Boll. Un. Mat. It. **16-A** (1979), 331-334.
- [7] G. Mauceri, M. A. Picardello, *Noncompact unimodular groups with purely atomic Plancherel measures*, Proc. Amer. Math. Soc. **78** (1980), 77-84.
- [8] M. A. Picardello, *Unimodular Lie groups without discrete series*, Boll. Un. Mat. It. **1-C** (1980), 61-80.
- [9] G. Mauceri, M. A. Picardello, F. Ricci, *Hardy spaces associated with twisted convolution*, Advances Math. **39** (1981), 270-288.
- [10] G. Mauceri, M. A. Picardello, F. Ricci, *Twisted convolution, Hardy spaces and Hörmander multipliers*, Rend. Circ. Mat. Palermo (Suppl. 1) (1981), 191-203.
- [11] A. Figà-Talamanca, M. A. Picardello, *Spherical functions and harmonic analysis on free groups*, J. Functional Anal. **47** (1982), 281-304.
- [12] M. A. Picardello, *Spherical functions and local limit theorems on free groups*, Ann. Mat. Pura Appl. **133** (1983), 177-191.
- [13] A. Iozzi, M. A. Picardello, *Graphs and convolution operators*, in "Topics in Modern Harmonic Analysis" **1**, Ist. Naz. Alta Matem., Roma (1983), 187-208.
- [14] A. Iozzi, M. A. Picardello, *Spherical functions on symmetric graphs*, Lecture Notes in Math. **993**, Springer-Verlag, New York-Berlin (1983), 344-386.
- [15] A. Figà-Talamanca, M. A. Picardello, *Restriction of spherical representations of $PGL_2(Q_p)$ to a discrete subgroup*, Proc. Amer. Math. Soc. **91** (1984), 405-408.
- [16] J. Faraut, M. A. Picardello, *The Plancherel measures for symmetric graphs*, Ann. Mat. Pura Appl. **138** (1984), 151-155.
- [17] M. A. Picardello, W. Woess, *Random walks on amalgams*, Monatshefte Math. **100** (1985), 21-33.
- [18] M. A. Picardello, *Positive definite functions and L^p -convolution operators on amalgams*, Pacific J. Math. **123** (1986), 209-221.
- [19] A. Korányi, M. A. Picardello, *Boundary behaviour of eigenfunctions of the Laplace operator on trees*, Ann. Sci. Sc. Norm. Sup. Pisa **13** (1986), 389-399.
- [20] M. A. Picardello, W. Woess, *Martin boundaries of random walks: ends of trees and groups*, Trans. Amer. Math. Soc. **302** (1987), 285-305.
- [21] A. Korányi, M. A. Picardello, M. H. Taibleson, *Hardy spaces on non-homogeneous trees*, Symp. Math. **29** (1987), 205-265.
- [22] M. A. Picardello, P. Sjögren, *The minimal Martin boundary of a cartesian product of trees*, Proc. Centre Math. Anal. Austral. Nat. Univ. **16** (1988), 226-246.

- [23] M. A. Picardello, W. Woess, *Harmonic functions and ends of graphs*, Proc. Edinburgh Math. Soc. **31** (1988), 457-461.
- [24] M. A. Picardello, T. Pytlik, *Norms of free operators*, Proc. Amer. Math. Soc. **104** (1988), 257-261.
- [25] J. M. Cohen, M. A. Picardello, *The 2-circles and 2-discs problems on trees*, Israel J. Math. **64** (1988), 73-86.
- [26] M. A. Picardello, W. Woess, *A converse to the mean value property on homogeneous trees*, Trans. Amer. Math. Soc. **311** (1989), 209-225.
- [27] M. A. Picardello, W. Woess, *Ends of graphs, potential theory and electric networks*, in "Cycles and Rays", NATO ASI Ser. C, Kluwer Academic Publishers, Dordrecht (1990), 181-196.
- [28] C. A. Berenstein, E. Casadio Tarabusi, J. M. Cohen, M. A. Picardello, *Integral geometry on trees*, Amer. J. Math. **113** (1991), 441-470.
- [29] M. A. Picardello, M. H. Taibleson, *Substochastic transition operators on trees and their associated Poisson integrals*, Coll. Math. **59** (1990), 279-296.
- [30] M. A. Picardello, M. H. Taibleson, *Degeneracy of Hardy spaces on a two-sheeted graph: a sandwich of trees*, Ars Combinatoria **29B** (1990), 161-174.
- [31] M. A. Picardello, W. Woess, *Examples of stable Martin boundaries of Markov chains in "Potential Theory"*, De Gruyter & Co., Berlin - New York (1991), 261-270.
- [32] M. A. Picardello, M. H. Taibleson, W. Woess, *Harmonic functions on cartesian products of trees with finite graphs*, J. Functional Anal **102** (1991), 379-400.
- [33] M. A. Picardello, P. Sjögren, *Boundary behaviour of eigenfunctions of the Laplacian in a bi-tree*, J. Reine Angew. Math. **424** (1992), 133-144.
- [34] M. A. Picardello, M. H. Taibleson, W. Woess, *Harmonic measure on the planar Cantor set from the viewpoint of graph theory*, Discrete Math. **109** (1992), 193-202.
- [35] C. A. Berenstein, E. Casadio Tarabusi, M. A. Picardello, *Radon transforms on hyperbolic spaces and their discrete counterparts*, in "Proceedings of the Conference in Radon Transforms", Rende (1991).
- [36] M. A. Picardello, W. Woess, *Martin boundaries of Cartesian products of Markov chains*, Nagoya Math. J. **128** (1992), 153-169.
- [37] E. Casadio Tarabusi, J. M. Cohen, M. A. Picardello, *The horocyclical Radon transform on trees*, Israel J. Math. **78** (1992), 363-380.
- [38] M. Bozejko, M. A. Picardello, *Weakly amenable groups and amalgamated products*, Proc. Amer. Math. Soc. **117** (1993), 1039-1046.
- [39] E. Casadio Tarabusi, J. M. Cohen, F. Colonna, M. A. Picardello, *Characterization of the range and functional analysis of the X-ray transform on trees*, C. R. Acad. Sci. Paris **316** (1993), 559-564.
- [40] E. Casadio Tarabusi, J. M. Cohen, M. A. Picardello, *The range of the X-ray transform on trees*, Adv. Math **109** (1994), 143-156.
- [41] M. A. Picardello, W. Woess, *The full Martin boundary of the bi-tree*, Ann. Prob. **22** (1994), 2203-2222.
- [42] F. Di Biase, M. A. Picardello, *The Green formula and H^p spaces on trees*, Math. Zeitsch. **218** (1995), 253-272.
- [43] M. Pagliacci, M. A. Picardello, *Heat diffusion on homogeneous trees*, Adv. Math **100** (1995), 175-190.
- [44] J. Cohen, F. Colonna, M. A. Picardello, *Image reconstruction from exponential blurring*, Circuits, Systems, Signal Process. **15** (1996), 261-274.
- [45] M. A. Picardello, *Characterizing harmonic functions by mean value properties on trees and symmetric spaces*, Contemp. Math. **206** (1997), 161-163.
- [46] E. Casadio-Tarabusi, J. M. Cohen, A. Korányi, M. A. Picardello, *Converse mean value theorems on trees and symmetric spaces*, Jour. Lie Theory **8** (1998), 229-254.
- [47] M. A. Picardello, *The geodesic Radon transform on trees*, in "Harmonic Analysis and Integral Geometry", CRC/Chapman Hall (2000).
- [48] E. Casadio-Tarabusi, S. G. Gindikin, M. A. Picardello, *The circle Radon transform on trees*, Diff. Geom. and Applications **19** (2003), 295-305.
- [49] N. Arcozzi, E. Casadio-Tarabusi, F. Di Biase, M. A. Picardello, *A potential theoretic approach to twisting*, in "New Trends in Potential Theory", The Theta Foundation, Bucharest (2005), 3-15.

- [50] N. Arcozzi, E. Casadio-Tarabusi, F. Di Biase, M. A. Picardello, *Twist points of planar domains*, Trans. Amer. Math. Soc. **358** (2006), 2781–2798.
- [51] E. Casadio-Tarabusi, M. A. Picardello, *The algebras generated by the Laplace operators in a semi-homogeneous tree*, preprint.
- [52] L. Atanasi, M. A. Picardello, *The Lusin area function and local admissible convergence of harmonic functions on homogeneous trees*, Trans. Amer. Math. Soc. **360** (2008), 3327–3343.
- [53] J. M. Cohen, M. Pagliacci, M. A. Picardello, *Radial heat diffusion from the root of a semi-homogeneous tree and the combinatorics of paths*, Boll. Un. Mat. It. **1** (3) (2008), 619–628.
- [54] F. Andreano, M. A. Picardello, *Approximate identities on some homogeneous Banach spaces*, Monatshefte Math. **158** (2009), 235–246.
- [55] M. A. Picardello, *Local admissible convergence of harmonic functions on non-homogeneous trees*, Colloq. Math. **118** (2010), no. 2, 419–444.

2. BOOKS

REFERENCES

- [1] A. Figà-Talamanca, M. A. Picardello, “Harmonic Analysis on Free Groups”, Lecture Notes in Pure and Appl. Math. **87**, M. Dekker, New York–Basel, 1983.
- [2] S. Campi, M. A. Picardello, G. Talenti, “Analisi Matematica e Calcolatori”, Boringhieri, Torino, 1990.
- [3] M. A. Picardello (ed.), “Harmonic Analysis and Discrete Potential Theory”, Plenum Publishing Co. 1992.
- [4] W. Baldoni, M. A. Picardello (eds.), “Representation Theory of Lie Groups and Quantum Groups”, Pitman Research Notes in Math. **311**, Longman, Harlow, Essex, 1994.
- [5] E. Casadio Tarabusi, M. A. Picardello, G. Zampieri (eds.), “Integral Geometry, Radon Transforms and Complex Analysis”, Lecture Notes in Math. **1684**, Springer-Verlag, Berlin, Heidelberg, New York, 1998.
- [6] M. A. Picardello, W. Woess (eds.), “Random Walks and Discrete Potential Theory”, Cambridge University Press Symp. Math., Cambridge University Press, Cambridge, 1999.
- [7] M. A. Picardello (ed.), “Harmonic Analysis and Integral Geometry”, CRC/Chapman Hall, 2000.
- [8] A. D’Agnolo, E. Casadio Tarabusi, M. A. Picardello (eds.), “Representation Theory and Complex Analysis”, Lecture Notes in Math. **1931** (2006), Springer-Verlag, Berlin, Heidelberg, New York.
- [9] M. A. Picardello, “Analisi di Fourier e trattamento numerico dei segnali”, <http://www.mat.uniroma2.it/picard/SMC/didattica/materiali.did/An.Arm./LIBRO.pdf>
- [10] M. A. Picardello, L. Zsidó, “Appunti di Algebra Lineare”, <http://www.mat.uniroma2.it/picard/SMC/didattica/materiali.did/Alg.Lin./AlgLin.pdf>
- [11] M. A. Picardello, “Algoritmi e metodi numerici, analitici e statistici in Computer Graphics”, http://www.mat.uniroma2.it/picard/SMC/didattica/materiali.did/Comp.Graph./Note.di.Computer_Graphics.pdf
- [12] M. A. Picardello, “Elaborazione digitale di immagini con Adobe Photoshop”, http://www.mat.uniroma2.it/picard/SMC/didattica/materiali.did/Photoshop/Libro_Photoshop.pdf
- [13] M. A. Picardello, “Il linguaggio Java”, http://www.mat.uniroma2.it/picard/SMC/didattica/materiali.did/Java/Matematica_Computazionale/Matem_Computazionale.pdf
- [14] A. Pantano, M. A. Picardello, “Rappresentazioni di $SL_2(\mathbb{R})$ ”, in preparation.