

15 Selected Papers in 15 years (2010-2024)

Alessandro Perotti

Articles

- [1] Alessandro Perotti. A local Cauchy integral formula for slice-regular functions. *Computational Methods and Function Theory* (2023). Published online: 30 May 2023 DOI: <http://doi.org/10.1007/s40315-023-00485-5>.
- [2] Alessandro Perotti. Cauchy-Riemann operators and local slice analysis over real alternative algebras. *J. Math. Anal. Appl.*, 516 (2022) 126480. DOI: <http://doi.org/10.1016/j.jmaa.2022.126480>.
- [3] Riccardo Ghiloni and Alessandro Perotti. Slice regular functions in several variables. *Math. Z.*, 302(1):295–351 (2022). Published online: 23 June 2022. DOI: <http://doi.org/10.1007/s00209-022-03066-9>.
- [4] Rolf Sören Krausshar and Alessandro Perotti. Eigenvalue problems for slice functions. *Ann. Mat. Pura Appl.*, 201:2519–2548 (2022). Published online: 31 March 2022. DOI: <http://doi.org/10.1007/s10231-022-01208-8>.
- [5] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. Slice regular functions and orthogonal complex structures over \mathbb{R}^8 . *J. Noncommut. Geom.* 16 (2022), no. 2, pp. 637–676. DOI: <http://dx.doi.org/10.4171/JNCG/452>.
- [6] Riccardo Ghiloni and Alessandro Perotti. On a class of orientation-preserving maps of \mathbb{R}^4 . *J. of Geom. Anal.*, 31:2383–2415 (2021). Published online: 24 January 2020. DOI: <http://dx.doi.org/10.1007/s12220-020-00356-8>.
- [7] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. Division algebras of slice functions. *Proceedings of the Royal Society of Edinburgh: Section A Mathematics*, 150(4):2055–2082, 2020. Published online: 15 March 2019. DOI: <http://dx.doi.org/10.1017/prm.2019.13>.
- [8] Riccardo Ghiloni and Alessandro Perotti. The quaternionic Gauss-Lucas theorem. *Ann. Mat. Pura Appl. (4)*, 197(6):1679–1686, 2018. DOI: <http://dx.doi.org/10.1007/s10231-018-0742-z>.
- [9] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. The algebra of slice functions. *Trans. Amer. Math. Soc.*, 369(5):4725–4762, 2017, electronically published on November 28, 2016. DOI: <http://dx.doi.org/10.1090/tran/6816>.
- [10] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. Singularities of slice regular functions over real alternative $*$ -algebras. *Adv. Math.*, 305:1085–1130, 2017,

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DOI: <http://dx.doi.org/10.1016/j.aim.2016.10.009>.

- [11] Riccardo Ghiloni and Alessandro Perotti. Global differential equations for slice regular functions. *Math. Nachr.*, 287(5-6):561–573, 2014.
DOI: <http://dx.doi.org/10.1002/mana.201200318>.
- [12] Riccardo Ghiloni and Alessandro Perotti. Power and spherical series over real alternative \ast -algebras. *Indiana Univ. Math. J.*, 63(2):495–532, 2014.
DOI: <http://dx.doi.org/10.1512/iumj.2014.63.5227>.
- [13] Riccardo Ghiloni, Valter Moretti, and Alessandro Perotti. Continuous slice functional calculus in quaternionic Hilbert spaces. *Rev. Math. Phys.*, 25(4):1350006, 83, 2013. DOI: <http://dx.doi.org/10.1142/S0129055X13500062>.
- [14] Riccardo Ghiloni and Alessandro Perotti. Slice regular functions on real alternative algebras. *Adv. Math.*, 226(2):1662–1691, 2011.
DOI: <http://dx.doi.org/10.1016/j.aim.2010.08.015>.
- [15] Riccardo Ghiloni and Alessandro Perotti. Zeros of regular functions of quaternionic and octonionic variable: a division lemma and the camshaft effect. *Ann. Mat. Pura Appl. (4)*, 190(3):539–551, 2011. DOI: <http://dx.doi.org/10.1007/s10231-010-0162-1>.

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Trento, November 3, 2023