

Publication List

Alessandro Perotti

All my recent publications are available on arXiv.

Articles in journals

- [1] Alessandro Perotti. Almansi Theorem and Mean Value Formula for Quaternionic Slice-regular Functions. *Adv. Appl. Clifford Algebras*, 30, 61 (2020).
DOI: <http://dx.doi.org/10.1007/s00006-020-01078-4>.
- [2] Alessandro Perotti. Almansi-type theorems for slice-regular functions on Clifford algebras. *Complex Variables and Elliptic Equations*. Published online: 28 Apr 2020. DOI: <http://dx.doi.org/10.1080/17476933.2020.1755967>.
- [3] Riccardo Ghiloni and Alessandro Perotti. On a class of orientation-preserving maps of \mathbb{R}^4 . *J. of Geom. Anal.*, Published online: 24 January 2020.
DOI: <http://dx.doi.org/10.1007/s12220-020-00356-8>.
- [4] Alessandro Perotti. A four dimensional Jensen formula. *Riv. Math. Univ. Parma (N.S.)*, 11(1):139–152 (2020). <http://arxiv.org/abs//1902.06485>.
- [5] 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>.
- [6] 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>.
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DOI: <http://dx.doi.org/10.1142/S0129055X17500349>.

- [10] Riccardo Ghiloni, Alessandro Perotti, and Vincenzo Recupero. Noncommutative Cauchy integral formula. *Complex Anal. and Oper. Theory*, 11(2):289–306 (2017). DOI: <http://dx.doi.org/10.1007/s11785-016-0543-6>.
- [11] Riccardo Ghiloni and Alessandro Perotti. Lagrange polynomials over Clifford numbers. *J. Algebra Appl.*, Vol. 14(5):1550069 (11 pages) (2015). DOI: <http://dx.doi.org/10.1142/S0219498815500693>.
- [12] 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>.
- [13] 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>.
- [14] 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>.
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- [34] Riccardo Ghiloni and Alessandro Perotti. Slice regular functions in several variables. 2020, submitted. <http://arxiv.org/abs//2007.14925>.
- [35] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. Slice regular functions and orthogonal complex structures over \mathbb{R}^8 . 2020, submitted.
- [36] Alessandro Perotti. A four dimensional Bernstein theorem. 2019. <http://arxiv.org/abs//1903.03068>, submitted.

Articles in books

- [37] Alessandro Perotti. Slice regularity and harmonicity on Clifford algebras. In *Topics in Clifford Analysis – Special Volume in Honor of Wolfgang Sprössig*, Trends Math. Springer, Basel, 2019.
DOI: http://dx.doi.org/10.1007/978-3-030-23854-4_3.
- [38] R. Ghiloni, V. Moretti, and A. Perotti. Slice Functional Calculus in Quaternionic Hilbert Spaces. In Vladimir V. Mityushev and Michael V. Ruzhansky, editors, *Current Trends in Analysis and Its Applications*, Trends in Mathematics, pages 475–484. Springer International Publishing, 2015.
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DOI: http://dx.doi.org/10.1007/978-3-0346-0246-4_8.
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Conference Proceedings

- [44] Riccardo Ghiloni and Alessandro Perotti. Slice regular functions of several Clifford variables. In *AIP Conf. Proc.*, volume 1493, pages 734–738. AIP, 2012. 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences: ICNPAA 2012, Vienna, Austria, 10–14 July 2012. DOI: <https://doi.org/10.1063/1.4765569>.
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