

Publication List

Alessandro Perotti

All my recent publications are available on arXiv.

Articles in journals

- [1] Alessandro Perotti. A local Cauchy integral formula for slice-regular functions. *Computational Methods and Function Theory*, 24, 185–203 (2024). Published online: 30 May 2023 DOI: <http://doi.org/10.1007/s40315-023-00485-5>.
- [2] Alessandro Perotti. A quaternionic Bernstein theorem. *Mediterranean Journal of Mathematics*. (2023) 20:154. Published online: 9 March 2023. <http://arxiv.org/abs//1903.03068>. DOI: <http://doi.org/10.1007/s00009-023-02362-w>.
- [3] 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>.
- [4] 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>.
- [5] 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>.
- [6] 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>.
- [7] 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>.
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- [9] Alessandro Perotti. Almansi-type theorems for slice-regular functions on Clifford algebras. *Complex Variables and Elliptic Equations*, 66:8, 1287–1297 (2020) DOI: <http://dx.doi.org/10.1080/17476933.2020.1755967>.
- [10] Alessandro Perotti. A four dimensional Jensen formula. *Riv. Math. Univ. Parma (N.S.)*, 11(1):139–152 (2020). <http://arxiv.org/abs//1902.06485>.

- [11] 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>.
- [12] 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>.
- [13] 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>.
- [14] Riccardo Ghiloni, Alessandro Perotti, and Caterina Stoppato. Singularities of slice regular functions over real alternative $*$ -algebras. *Adv. Math.*, 305:1085–1130 (2017), electronically published on October 13, 2016. DOI: <http://dx.doi.org/10.1016/j.aim.2016.10.009>.
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Preprints

- [40] Alessandro Perotti and Caterina Stoppato. Which Fueter-regular functions are holomorphic? 2023. submitted.
- [41] Alessandro Perotti. Wirtinger operators for functions of several quaternionic variables. 2022. submitted. <https://arxiv.org/abs/2212.10868>.

Articles in books

- [42] 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.
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DOI: http://dx.doi.org/10.1007/978-3-319-12577-0_53.
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Conference Proceedings

- [49] 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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