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Publications

Publications in Refereed Journals and Proceedings.

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- (59) A. Parusiński, A. Rainer, *Perturbation theory of polynomials and linear operators*, Handbook of Geometry and Topology of Singularities, VII, Springer Nature (2025), 121–202. https://doi.org/10.1007/978-3-031-68711-2_3. arXiv:2308.01299.
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Preprints and Work in Progress.

- A. Parusiński and A. Rainer, *Continuity of the solution map for hyperbolic polynomials*, arXiv:2410.01321.
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Research Monograph. *Perturbation of hyperbolic polynomials and related lifting problems*, enlarged and corrected version of the doctoral thesis as monograph, in preparation,
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Habilitation Thesis. *Perturbation theory for polynomials and linear operators & The convenient setting for Denjoy–Carleman differentiable mappings*,
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Doctoral Thesis. *Choosing roots of polynomials smoothly and lifting smooth curves over invariants*,
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Diploma Thesis. *Zerlegungsgleichheit von Kreis und Quadrat*, in German,
<http://www.mat.univie.ac.at/~armin/publ/diplom.pdf>