

- LECTURES ON HYPERSURFACES AND FIBRATIONS -

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Program. Details to be filled in.

Beamers of the
CIMPA Research School at Sao Carlos 2022 and of CIMPA online 2021.

Some recent articles

- (1) L. Maxim, M. Tibăr, *Morse numbers of function germs with isolated singularities*, <https://arxiv.org/abs/2301.00963>
- (2) D. Siersma, M. Tibăr, *Polar degree and vanishing cycles*, J. Topology 15 (2022), no. 4, 1807-1832.
- (3) L. Maxim, L. Păunescu, M. Tibăr, *Vanishing cohomology and Betti bounds for complex projective hypersurfaces*. Ann. Inst. Fourier (Grenoble) 72 (2022), no. 4, 1705-1731.
- (4) L. Maxim, L. Păunescu, M. Tibăr, *The vanishing cohomology of non-isolated hypersurface singularities*, J. London Math. Soc. 106 (2022), no. 1, 112-153.
- (5) D. Siersma, M. Tibăr, *Polar degree of hypersurfaces with 1-dimensional singular locus*, Topology Appl. 313 (2022), Paper 107992.
- (6) C. Joița, M. Tibăr, *The local image problem for complex analytic maps*, Arkiv för Matematik 59 (2021), 345-358.
- (7) L.R.G. Dias, C. Joița, M. Tibăr *Atypical points at infinity and algorithmic detection of the bifurcation locus of real polynomials*, Math. Z. 298 (2021), 1545-1558.
- (8) D. Siersma, J.H.M. Steenbrink, M. Tibăr, *On Huh's conjectures for the polar degree*, Journal of Algebraic Geometry 30 (2021), 189-203.
- (9) C. Joița, M. Tibăr, *Images of analytic map germs and singular fibrations*, Eur. J. Math. 6 (2020), no 3, 888-904.
- (10) R.N. Araújo dos Santos, M. Ribeiro, M. Tibăr, *Fibrations of highly singular map germs*. Bull. Sci. Math. 155 (2019), 92-111.
- (11) C. Joița, M. Tibăr, *Bifurcation set of multi-parameter families of complex curves*, J. Topology 11 (2018), no. 3, 739-751.
- (12) C. Joița, M. Tibăr, *Bifurcation values of families of real curves*, Proc.Royal Soc. Edinburgh Sect.A 147, 6 (2017), 1233-1242.

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