

Publications

- [1] • **Homological stability for oriented configuration spaces**
[Transactions of the American Mathematical Society](#) 365 (2013), 3675–3711 (37 pp.)
- [2] • **On homological stability for configuration spaces on closed background manifolds**
(with Federico Cantero)
[Documenta Mathematica](#) 20 (2015), 753–805 (53 pp.)
- [3] • **A twisted homology fibration criterion and the twisted group-completion theorem**
(with Jeremy Miller)
[Quarterly Journal of Mathematics](#) 66.1 (2015), 265–284 (20 pp.)
- [4] • **Scanning for oriented configuration spaces**
(with Jeremy Miller)
[Homology, Homotopy and Applications](#) 17.1 (2015), 35–66 (32 pp.)
- [5] • **Twisted homological stability for configuration spaces**
[Homology, Homotopy and Applications](#) 20.2 (2018), 145–178 (34 pp.)
- [6] • **Triple-crossing number and moves on triple-crossing link diagrams**
(with Colin Adams and Jim Hoste)
[Journal of Knot Theory and Its Ramifications](#) 28.11 (2019), 1940001 (20 pp.)

Publications to appear

- [7] • **Homological stability for subgroups of surface braid groups**
(with TriThang Tran)
To appear in [Homology, Homotopy and Applications](#) (see also: [arXiv:1410.0923](#), 10 pp.)
NB: the first arXiv version of this paper was authored solely by T. Tran; I became a co-author at a later stage.
- [8] • **Homological stability for moduli spaces of disconnected submanifolds, I**
Accepted modulo minor corrections at [Algebraic & Geometric Topology](#) (see also: [arXiv:1805.03917](#), 44 pp.)

Preprints

- [9] • **A comparison of twisted coefficient systems** (2017)
Available at: [arXiv:1712.06310](#) (31 pp.)
- [10] • **Homological stability for moduli spaces of disconnected submanifolds, II – Symmetric diffeomorphism groups and parametrised connected sum** (2018)
Available at: [arXiv:1807.07558](#) (28 pp.)
- [11] • **A unified functorial construction of homological representations of families of groups** (2019)
(with Arthur Soulié)
Available at: [arXiv:1910.13423](#) (83 pp.)
- [12] • **Appendix to “Lectures on Invertible Field Theories” by S. Galatius** (2019)
(with A. Debray and S. Galatius)
Available at: [arXiv:1912.08706](#) (23 pp.)

Thesis

- [0] • **Configuration spaces and homological stability**
University of Oxford; submitted in December 2012; defended in February 2013.
Supervisor: Ulrike Tillmann
Examiners: Graeme Segal (Oxford), Nathalie Wahl (Copenhagen)
Archived in the [Oxford University Research Archive](#)
URL : <http://ora.ox.ac.uk/objects/uuid:7e056dbd-2cdd-4eac-9473-53f750371f9a>