

## Publication list

### Paul Arne Østvær

- Slices and the first stable homotopy groups of motivic spheres. In preparation. Joint with O. Röndigs and M. Spitzweck.
- $A^1$ -contractibility of Koras-Russell threefolds. Submitted. Joint with M. Hoyois and A. Krishna.
- The multiplicative structure on the graded slices of hermitian  $K$ -theory and Witt-theory. Submitted. Joint with O. Röndigs.
- Slices of hermitian  $K$ -theory and the Milnor conjecture for quadratic forms. To appear in *Geometry & Topology*. Joint with O. Röndigs.
- The motivic Steenrod algebra in positive characteristic. To appear in *Journal of the European Mathematical Society*. Joint with M. Hoyois and S. Kelly.
- Motivic homotopy theory of group scheme actions. To appear in *Journal of Topology*. Joint with J. Heller and A. Krishna.
- Existence and uniqueness of  $E_\infty$  structures on motivic  $K$ -theory spectra. *J. Homotopy Relat. Struct.* 10 (2015), 333-346. Joint with N. Naumann and M. Spitzweck.
- Equivariant cycles and cancellation for motivic cohomology. *Documenta Mathematica* 20 (2015) 269-332. Joint with J. Heller, M. Voineagu.
- The homotopy fixed point theorem and the Quillen-Lichtenbaum conjecture in hermitian  $K$ -theory. *Advances in Mathematics* 278 (2015), 34-55. Joint with J. Berrick, M. Schlichting and M. Karoubi.
- Stable motivic  $\pi_1$  of low-dimensional fields, *Advances in Mathematics* 265 (2014), 97-131. Joint with K. Ormsby.
- $K$ -theory and mapping spaces: an appendix to Equivariant semi-topological  $K$ -homology and a theorem of Thomason. *J. K-Theory* 13 (2014), 1-8.
- Motivic Brown-Peterson invariants of the rationals. *Geometry & Topology* 17 (2013), no. 3, 1671-1706. Joint with K. Ormsby.
- Hermitian periodicity and cohomology of infinite orthogonal groups. *J. K-Theory* 12 (2013), no. 1, 203-211. Joint with J. Berrick and M. Karoubi.
- Motivic slices and coloured operads. *J. Topology* 5 (2012), 727-755. Joint with J. J. Gutierrez, O. Röndigs and M. Spitzweck.
- Nisnevich descent for  $K$ -theory of Deligne-Mumford stacks. *J. K-Theory* 9 (2012), 291-331. Joint with A. Krishna.
- Motivic twisted  $K$ -theory. *Algebraic and Geometric Topology* 12 (2012), 565-599. Joint with M. Spitzweck.
- Periodicity of hermitian  $K$ -groups. *J. K-Theory* 7 (2011), 429-493. Joint with J. Berrick and M. Karoubi.
- Preface to *J. K-Theory* 7 (2011), 405-407. Joint with E. M. Friedlander and G. Quick.
- Hermitian  $K$ -theory of totally real 2-regular number fields. *Mathematische Annalen* 349 (2011), 117-159. Joint with J. Berrick and M. Karoubi.
- Homotopy theory of  $C^*$ -algebras. *Frontiers in Mathematics*, Birkhäuser, 2010.
- Universality of mod  $p$  cohomology. *Topology and its Applications* 157 (2010), 2864-2872. Joint with M. Spitzweck.
- Homotopy theory of cyclic presheaves. *Math. Scand.* 107 (2010), 30-42. Joint with S. Seteklev.
- Motivic strict ring models for  $K$ -theory. *Proc. Amer. Math. Soc.* 138 (2010), 3509-3520. Joint with M. Spitzweck and O. Röndigs.
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- Chern classes,  $K$ -theory and Landweber exactness over nonregular base schemes. In *Motives and Algebraic Cycles: A celebration in Honor of Spencer J. Bloch*, Fields Institute Communications 56 (2009), 307-317. Joint with N. Naumann and M. Spitzweck.
- The Bott inverted infinite projective space is  $K$ -theory. *Bull. London Math. Soc.* 41 (2009), 281-292. Joint with M. Spitzweck.
- Modules over motivic cohomology. *Advances in Mathematics* 219 (2008), 689-727. Joint with O. Röndigs.
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