

# Eivind Eriksen

## List of publications

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### Scientific Publications

- [0] E. Eriksen, *Graded D-modules on monomial curves*, Ph.D. thesis, University of Oslo, June 2000.
- [1] ———, *Differential operators on monomial curves*, J. Algebra **264** (2003), no. 1, 186–198.
- [2] ———, *An introduction to noncommutative deformations of modules*, Noncommutative algebra and geometry, Lect. Notes Pure Appl. Math., vol. 243, Chapman & Hall/CRC, Boca Raton, FL, 2006, pp. 90–125.
- [3] ———, *Connections on modules over quasi-homogeneous plane curves*, Comm. Algebra **36** (2008), no. 8, 3032–3041.
- [4] ———, *An example of noncommutative deformations*, J. Gen. Lie Theory Appl. **2** (2008), no. 3, 152–156.
- [5] ———, *Computing noncommutative global deformations of D-modules*, Generalized Lie theory in mathematics, physics and beyond, Springer, Berlin, 2009, pp. 109–117.
- [6] ———, *Computing noncommutative deformations of presheaves and sheaves of modules*, Canad. J. Math. **62** (2010), no. 3, 520–542.
- [7] ———, *The generalized Burnside theorem in noncommutative deformation theory*, J. Gen. Lie Theory Appl. **5** (2011), Art. ID G110109, 5.
- [8] ———, *Computing noncommutative deformations*, Algebra, geometry and mathematical physics, Springer Proc. Math. Stat., vol. 85, Springer, Heidelberg, 2014, pp. 285–290.
- [9] E. Eriksen and T. S. Gustavsen, *Computing obstructions for existence of connections on modules*, J. Symbolic Comput. **42** (2007), no. 3, 313–323.
- [10] ———, *Connections on modules over singularities of finite CM representation type*, J. Pure Appl. Algebra **212** (2008), no. 7, 1561–1574.
- [11] ———, *Connections on modules over singularities of finite and tame CM representation type*, Generalized Lie theory in mathematics, physics and beyond, Springer, Berlin, 2009, pp. 99–108.
- [12] ———, *Lie-Rinehart cohomology and integrable connections on modules of rank one*, J. Algebra **322** (2009), no. 12, 4283–4294.
- [13] ———, *Equivariant Lie-Rinehart cohomology*, Proc. Est. Acad. Sci. **59** (2010), no. 4, 294–300.
- [14] E. Eriksen, O. A. Laudal, and A. Siqveland, *Noncommutative deformation theory*, Monographs and Research Notes in Mathematics, CRC Press, Boca Raton, FL, 2017.
- [15] E. Eriksen and A. Siqveland, *Geometry of noncommutative algebras*, Algebra, geometry and mathematical physics, Banach Center Publ., vol. 93, Polish Acad. Sci. Inst. Math., Warsaw, 2011, pp. 69–82.

### Submitted Papers

- [16] E. Eriksen, *Coherent rings of differential operators*, ArXiv e-prints **1003.5151** (2018).
- [17] ———, *Graded Holonomic D-modules on Monomial Curves*, ArXiv e-prints **1803.04367** (2018).
- [18] ———, *Iterated Extensions and Uniserial Length Categories*, ArXiv e-prints **1804.03405** (2018).
- [19] E. Eriksen and A. Siqveland, *On the Generalized Burnside Theorem*, ArXiv e-prints **1702.07645** (2017).