

- [1] Yago Antolín and María Cumplido. “Parabolic subgroups acting on the additional length graph”. In: (2019). DOI: 10.2140/agt.2021.21.1791. eprint: [arXiv:1906.06325](#).
- [2] Julio Aroca and María Cumplido. *A new family of infinitely braided Thompson’s groups*. 2020. eprint: [arXiv:2005.09593](#).
- [3] R. Ayala et al. “An elementary approach to the projective dimension in proper homotopy theory”. English. In: *Commun. Algebra* 31.12 (2003), pp. 5995–6017. ISSN: 0092-7872. DOI: 10.1081/AGB-120024863.
- [4] H.-J. Baues and F. Muro. *The characteristic cohomology class of a triangulated category*. Preprint, [arXiv:math/0505540 \[math.KT\]](#) (2005). 2005.
- [5] H.-J. Baues and F. Muro. “Cohomologically triangulated categories. I”. English. In: *J. K-Theory* 1.1 (2008), pp. 3–48. ISSN: 1865-2433. DOI: 10.1017/is007011018jkt019.
- [6] H.-J. Baues and F. Muro. “Cohomologically triangulated categories. II”. English. In: *J. K-Theory* 3.1 (2009), pp. 1–52. ISSN: 1865-2433. DOI: 10.1017/is008007021jkt061.
- [7] Hans-Joachim Baues and Fernando Muro. “Secondary homotopy groups”. English. In: *Forum Math.* 20.4 (2008), pp. 631–677. ISSN: 0933-7741. DOI: 10.1515/FORUM.2008.032.
- [8] Hans-Joachim Baues and Fernando Muro. “Smash products for secondary homotopy groups”. English. In: *Appl. Categ. Struct.* 16.5 (2008), pp. 551–616. ISSN: 0927-2852. DOI: 10.1007/s10485-007-9071-x.
- [9] Hans-Joachim Baues and Fernando Muro. “The algebra of secondary homotopy operations in ring spectra”. English. In: *Proc. Lond. Math. Soc.* (3) 102.4 (2011), pp. 637–696. ISSN: 0024-6115. DOI: 10.1112/plms/pdq034. URL: [idus.us.es/xmlui/handle/11441/41904](#).
- [10] Hans-Joachim Baues and Fernando Muro. “The homotopy category of pseudofunctors and translation cohomology”. English. In: *J. Pure Appl. Algebra* 211.3 (2007), pp. 821–850. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2007.04.008.
- [11] Hans-Joachim Baues and Fernando Muro. “The symmetric action on secondary homotopy groups”. English. In: *Bull. Belg. Math. Soc. - Simon Stevin* 15.4 (2008), pp. 733–768. ISSN: 1370-1444.
- [12] Hans-Joachim Baues and Fernando Muro. “Toda brackets and cup-one squares for ring spectra”. English. In: *Commun. Algebra* 37.1 (2009), pp. 56–82. ISSN: 0092-7872. DOI: 10.1080/00927870802241188. URL: [idus.us.es/xmlui/handle/11441/41881](#).
- [13] Rubén Blasco-García, María Cumplido, and Rose Morris-Wright. *The Word Problem is Solvable for 3-free Artin groups in Quadratic Time*. 2022. eprint: [arXiv:2204.03523](#).

- [14] M. Cárdenas, F. Muro, and A. Quintero. “The proper L-S category of Whitehead manifolds”. English. In: *Topology Appl.* 153.4 (2005), pp. 557–579. ISSN: 0166-8641. DOI: 10.1016/j.topol.2005.01.031.
- [15] M. Cárdenas et al. “Proper L–S category, fundamental pro-groups and 2-dimensional proper co-H-spaces”. English. In: *Topology Appl.* 153.4 (2005), pp. 580–604. ISSN: 0166-8641. DOI: 10.1016/j.topol.2005.01.032.
- [16] Victor Carmona, Ramon Flores, and Fernando Muro. *A model structure for locally constant factorization algebras*. Preprint, arXiv:2107.14174 [math.AT] (2021). 2021.
- [17] María Cumplido. *On the loxodromic actions of Artin-Tits groups*. 2017. eprint: arXiv:1706.08377.
- [18] María Cumplido. *On the minimal positive standardizer of a parabolic subgroup of an Artin-Tits group*. 2017. eprint: arXiv:1708.09310.
- [19] María Cumplido. “The conjugacy stability problem for parabolic subgroups in Artin groups”. In: (2021). DOI: 10.1007/s00009-022-02153-9. eprint: arXiv:2107.13372.
- [20] María Cumplido, Juan González-Meneses, and Marithania Silvero. *The root extraction problem for generic braids*. 2019. eprint: arXiv:1909.10962.
- [21] María Cumplido, Delaram Kahrobaei, and Marialaura Noce. *The root extraction problem in braid group-based cryptography*. 2022. eprint: arXiv:2203.15898.
- [22] María Cumplido, Alexandre Martin, and Nicolas Vaskou. *Parabolic subgroups of large-type Artin groups*. 2020. eprint: arXiv:2012.02693.
- [23] María Cumplido and Luis Paris. *Commensurability in Artin groups of spherical type*. 2019. eprint: arXiv:1904.09461.
- [24] María Cumplido and Bert Wiest. “A positive proportion of elements of mapping class groups is pseudo-Anosov”. In: (2017). DOI: 10.1112/blms.12148. eprint: arXiv:1703.05044.
- [25] María Cumplido et al. “On parabolic subgroups of Artin-Tits groups of spherical type”. In: (2017). DOI: 10.1016/j.aim.2019.06.010. eprint: arXiv:1712.06727.
- [26] Ramón Flores and Fernando Muro. “Torsion homology and cellular approximation”. English. In: *Algebr. Geom. Topol.* 19.1 (2019), pp. 457–476. ISSN: 1472-2747. DOI: 10.2140/agt.2019.19.457.
- [27] Ai Guan and Fernando Muro. *Operations on the de Rham cohomology of Poisson and Jacobi manifolds*. Preprint, arXiv:2312.07321 [math.DG] (2023). 2023.
- [28] Gustavo Jasso, Bernhard Keller, and Fernando Muro. *The Derived Auslander-Iyama Correspondence*. Preprint, arXiv:2208.14413 [math.RT] (2022). 2022.

- [29] Gustavo Jasso, Bernhard Keller, and Fernando Muro. *The Donovan–Wemyss Conjecture via the Derived Auslander–Iyama Correspondence*. Preprint, arXiv:2301.11593 [math.AG] (2023). 2023.
- [30] Jeroen Maes and Fernando Muro. “Derived homotopy algebras”. English. In: *Proc. R. Soc. Edinb., Sect. A, Math.* 153.4 (2023), pp. 1198–1243. ISSN: 0308-2105. DOI: 10.1017/prm.2022.42.
- [31] Fernando Muro. *A triangulated category without models*. Preprint, arXiv:math/0703311 [math.KT] (2007). 2007.
- [32] Fernando Muro. “Correction to: “Homotopy theory of nonsymmetric operads. I–II””. English. In: *Algebr. Geom. Topol.* 17.6 (2017), pp. 3837–3852. ISSN: 1472-2747. DOI: 10.2140/agt.2017.17.3837.
- [33] Fernando Muro. “Cylinders for non-symmetric DG-operads via homological perturbation theory”. English. In: *J. Pure Appl. Algebra* 220.9 (2016), pp. 3248–3281. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2016.02.013. URL: idus.us.es/xmlui/handle/11441/43063.
- [34] Fernando Muro. “Derived universal Massey products”. English. In: *Homology Homotopy Appl.* 25.1 (2023), pp. 189–218. ISSN: 1532-0073. DOI: 10.4310/HHA.2023.v25.n1.a10.
- [35] Fernando Muro. “Dwyer-Kan homotopy theory of enriched categories”. English. In: *J. Topol.* 8.2 (2015), pp. 377–413. ISSN: 1753-8416. DOI: 10.1112/jtopol/jtu029. URL: idus.us.es/xmlui/handle/11441/43027.
- [36] Fernando Muro. “Enhanced A_∞ -obstruction theory”. English. In: *J. Homotopy Relat. Struct.* 15.1 (2020), pp. 61–112. ISSN: 2193-8407. DOI: 10.1007/s40062-019-00245-0.
- [37] Fernando Muro. *Enhanced A -infinity obstruction theory*. Preprint, arXiv:1510.00312 [math.AT] (2015). 2015. DOI: 10.1007/s40062-019-00245-0.
- [38] Fernando Muro. “Enhanced finite triangulated categories”. English. In: *J. Inst. Math. Jussieu* 21.3 (2022), pp. 741–783. ISSN: 1474-7480. DOI: 10.1017/S1474748020000250.
- [39] Fernando Muro. “Homotopy theory of non-symmetric operads. II: Change of base category and left properness”. English. In: *Algebr. Geom. Topol.* 14.1 (2014), pp. 229–281. ISSN: 1472-2747. DOI: 10.2140/agt.2014.14.229.
- [40] Fernando Muro. “Homotopy theory of nonsymmetric operads”. English. In: *Algebr. Geom. Topol.* 11.3 (2011), pp. 1541–1599. ISSN: 1472-2747. DOI: 10.2140/agt.2011.11.1541.
- [41] Fernando Muro. “Homotopy units in A -infinity algebras”. English. In: *Trans. Am. Math. Soc.* 368.3 (2016), pp. 2145–2184. ISSN: 0002-9947. DOI: 10.1090/tran/6545.
- [42] Fernando Muro. “Maltsiniotis’s first conjecture for K_1 ”. English. In: *Int. Math. Res. Not.* 2008 (2008). Id/No rnm153, p. 31. ISSN: 1073-7928. DOI: 10.1093/imrn/rnm153.

- [43] Fernando Muro. “Massey products for algebras over operads”. English. In: *Commun. Algebra* 51.8 (2023), pp. 3298–3313. ISSN: 0092-7872. DOI: 10.1080/00927872.2023.2181780.
- [44] Fernando Muro. “Moduli spaces of algebras over nonsymmetric operads”. English. In: *Algebr. Geom. Topol.* 14.3 (2014), pp. 1489–1539. ISSN: 1472-2747. DOI: 10.2140/agt.2014.14.1489.
- [45] Fernando Muro. “On the functoriality of cohomology of categories”. English. In: *J. Pure Appl. Algebra* 204.3 (2006), pp. 455–472. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2005.05.004. URL: idus.us.es/xmlui/handle/11441/41897.
- [46] Fernando Muro. *On the proper homotopy type of locally compact A_n^2 -polyhedra*. Preprint, arXiv:math/0605213 [math.AT] (2006). 2006.
- [47] Fernando Muro. “On the unit of a monoidal model category”. English. In: *Topology Appl.* 191 (2015), pp. 37–47. ISSN: 0166-8641. DOI: 10.1016/j.topol.2015.05.006.
- [48] Fernando Muro. “Representation theory of some infinite dimensional algebras arising in continuously controlled algebra and topology.” English. In: *K-Theory* 33.1 (2004), pp. 23–65. ISSN: 0920-3036. DOI: 10.1007/s10977-004-1837-4. URL: idus.us.es/xmlui/handle/11441/41899.
- [49] Fernando Muro. “Suspensions of crossed and quadratic complexes, co-H-structures and applications”. English. In: *Trans. Am. Math. Soc.* 357.9 (2005), pp. 3623–3653. ISSN: 0002-9947. DOI: 10.1090/S0002-9947-04-03597-4.
- [50] Fernando Muro. “The first obstructions to enhancing a triangulated category”. English. In: *Math. Z.* 296.1-2 (2020), pp. 719–759. ISSN: 0025-5874. DOI: 10.1007/s00209-019-02438-y.
- [51] Fernando Muro and George Raptis. “A note on K -theory and triangulated derivators”. English. In: *Adv. Math.* 227.5 (2011), pp. 1827–1845. ISSN: 0001-8708. DOI: 10.1016/j.aim.2011.04.005.
- [52] Fernando Muro and Georgios Raptis. “ K -theory of derivators revisited”. English. In: *Ann. K-Theory* 2.2 (2017), pp. 303–340. ISSN: 2379-1683. DOI: 10.2140/akt.2017.2.303.
- [53] Fernando Muro and Oriol Raventós. “Transfinite Adams representability”. English. In: *Adv. Math.* 292 (2016), pp. 111–180. ISSN: 0001-8708. DOI: 10.1016/j.aim.2016.01.009.
- [54] Fernando Muro and Constanze Roitzheim. “Homotopy theory of bicomplexes”. English. In: *J. Pure Appl. Algebra* 223.5 (2019), pp. 1913–1939. ISSN: 0022-4049. DOI: 10.1016/j.jpaa.2018.08.007. URL: kar.kent.ac.uk/67611/1/bi_and_twisted_complexes_revision.pdf.
- [55] Fernando Muro, Stefan Schwede, and Neil Strickland. “Triangulated categories without models”. English. In: *Invent. Math.* 170.2 (2007), pp. 231–241. ISSN: 0020-9910. DOI: 10.1007/s00222-007-0061-2. URL: idus.us.es/xmlui/handle/11441/41893.

- [56] Fernando Muro and Andrew Tonks. “On K_1 of a Waldhausen category”. English. In: *K-theory and noncommutative geometry. Proceedings of the ICM 2006 satellite conference, Valladolid, Spain, August 31–September 6, 2006*. Zürich: European Mathematical Society (EMS), 2008, pp. 91–115. ISBN: 978-3-03719-060-9.
- [57] Fernando Muro and Andrew Tonks. “The 1-type of a Waldhausen K -theory spectrum”. English. In: *Adv. Math.* 216.1 (2007), pp. 178–211. ISSN: 0001-8708. DOI: 10.1016/j.aim.2007.05.008.
- [58] Fernando Muro and Andrew Tonks. “Unital associahedra”. English. In: *Forum Math.* 26.2 (2014), pp. 593–620. ISSN: 0933-7741. DOI: 10.1515/forum-2011-0130. URL: idus.us.es/handle/11441/41889.
- [59] Fernando Muro, Andrew Tonks, and Malte Witte. “On determinant functors and K -theory”. English. In: *Publ. Mat., Barc.* 59.1 (2015), pp. 137–233. ISSN: 0214-1493. DOI: 10.5565/PUBLMAT_59115_07.