

Tematica si bibliografia

Tematica:

1. Categorii de module si categorii derivate. Reprezentari de grupuri (Categories of modules and derived categories)
2. Echivalente de categorii (Equivalences of categories)
3. Obiecte tilting si echivalente derivate (Tilting objects and derived equivalences)
4. Obiecte silting (Silting objects)

Bibliografia:

1. L. Angeleri-Hugel, *On the abundance of silting modules*, Surveys in representation theory of algebras, Contemporary Mathematics 716, Amer. Math. Soc., Providence, RI (2018), 1-23.
2. L. Angeleri-Hugel, *Silting objects*, Bulletin of the London Mathematical Society, 51(4), 2019, 658-690.
3. L. Angeleri-Hugel, M. Hrbek, *Silting modules over commutative rings*, International Mathematics Research Notices, 2017 (3), 2017, 4131–4151.
4. L. Angeleri-Hugel, F. Marks, J. Vitoria, *Silting Modules*, International Mathematics Research Notices, 2016 (4), 2016, 1251-1284.
5. S. Breaz, *The ascent-descent property for 2-term silting modules*, Publicacions Matematiques, 2020.
6. S. Breaz, G. C. Modoi, *Equivalences induced by infinitely generated silting modules*, Algebras and Representation Theory, 2020
7. S. Breaz, F. Pop, *Cosilting modules*, Algebras and Representation Theory, 20 (5), 2017, 1305-1321.
8. R. Gobel, J. Trlifaj, *Approximations and Endomorphism Algebras of Modules*, Walter de Gruyter, Berlin, 2012.
9. A. Yekutieli, *Derived categories*, Cambridge Studies in Advanced Mathematics (183), 2019.