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Title: A Note to Derived Equivalences and Abelianisations of Triangulated Categories

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关键词: [导出等价](#); [三角范畴](#); [Abel化](#); [倾斜模](#); [幂等完备化](#)

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摘要: 利用三角范畴的Abel化,引入有限维代数的Abel化等价以及二次导出等价的概念,证明了这2种新的等价与代数的导出等价是一致的.

Abstract: Using the abelianisations of triangulated categories,we introduce the notions of abelianisational equivalences and second derived equivalences for finite dimensional algebras.The equivalences between these two new concepts and the classical one,derived equivalence for algebras,will be given in this paper.

参考文献/References:

- [1] Keller B.Introduction to abelian and derived categories[C]//Representations of Reductive Groups.Cambridge:Cambridge University Press,1998:41-62.
- [2] Bongartz K.Tilted algebras[C]//Lecture Notes in Mathematics.Berlin:Springer,1982:26-38.
- [3] Happel D,Ringel C M.Tilted algebras[J].Trans Amer Math Soc,1982,21A:339-443.

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- [4] Angeleri Hügel L, Happel D, Krause H. Handbook of tilting theory[M]. Cambridge: Cambridge University Press, 2007.
- [5] König S, Zimmermann A. Derived equivalences for group rings[C] // Lecture Notes in Mathematics. Berlin: Springer-Verlag, 1998: 246.
- [6] Freyd P. Abelian categories: an introduction to functors[M]. New York: Harper and Row, 1964.
- [7] Mitchell B. Rings with several objects[J]. Adv Math, 1972, 8: 1-161.
- [8] Balmer P, Schlichting M. Idempotent completion of triangulated categories[J]. J Algebra, 2001, 236(2): 819-834.
- [9] Neeman A. Triangulated categories[M]. Princeton: Princeton Univ Press, 2001.
- [10] Krause H. Report on locally finite triangulated categories[J]. J K-Theory, 2012, 9(3): 421-458.
- [11] Xiao J, Zhu B. Locally finite triangulated categories[J]. J Algebra, 2005, 290(2): 473-490.
- [12] Freyd P. Stable homotopy[C] // Proc Conf Categorical Algebra. New York: Springer, 1966: 121-172.
- [13] Beligiannis A. Relative homological algebra and purity in triangulated categories[J]. J Algebra, 2000, 227