Frobenius-Perron Theory of Finite Representations of Quivers

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The Frobenius-Perron theory of an abelian category with an endofunctor was introduced recently in *Frobenius-Perron Theory of Endofunctors*. We apply this theory to the finite representation categories and bounded derived categories of finite acyclic quivers. We show that if two derived categories are equivalent as tensor triangulated category, then these two quivers are isomorphic. At last, we calculate the Frobenius-Perron dimensions for ADE quivers as examples.

References

[1] J. J. Jhang, J.-H. Zhou, Frobenius-Perron theory of representations of quivers

²⁰²⁰ Mathematics Subject Classification: MR4381232