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Calin Ioan Chindris* (cchindri@math.uiowa.edu). *Exceptional sequences and rational invariants for quivers.*

An orthogonal exceptional sequence of a quiver Q can be thought of as a sequence of roots of Q that satisfy certain homological conditions. In this talk, I will introduce this type of sequences, and then explain how they can be used to prove the rationality of the fields of rational invariants for tame quivers. (Received February 16, 2010)