ON THE TAMENESS OF THE REPRESENTATION TYPE OF A QUIVER

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ABSTRACT. I will present characterizations of the tameness of a quiver in terms of its moduli spaces of representations, its fields of rational invariants, and its weight spaces of semi-invariants. I will also discuss a technique, based upon finding convenient orthogonal exceptional sequences of representations, that allows one to deduce the rationality of fields of rational invariants for a given finite dimensional algebra from that of fields of rational invariants for a smaller algebra.

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