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Continuous cluster functions

A cluster function is a homomorphism from the semi-ring of Laurent polynomials in cluster variables to the semi-ring of positive real numbers. Since continuous cluster categories have a topology on the set of objects, we can ask for a continuous cluster function. We will use the formula of Assem, Dupont, Schiffler and Smith to examine limits of cluster functions on infinite string modules to obtain conditions on the initial seed which will generate a continuous cluster function. This is joint work with Gordana Todorov.