On thick subcategories of the module category of a tame hereditary algebra

Yu Ye

University of Paderborn
[yuye@math.upb.de]

In this talk we will consider two important classes of full subcategories of an abelian category, the thick subcategories, which are by definition closed under taking arbitrary kernels, cokernels and extenstions, and the subcategories satisfying two out of three condition, i.e., those closed under taking direct summands, extensions, kernels of epimorphisms and cokernel of monomorphisms. We show that for the category of finite dimensional modules over a finite dimensional tame hereditary algebra, any subcategory satisfying two out of three condition is thick.