

SEMIBRICKS, WIDE SUBCATEGORIES AND RECOLLEMENTS

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The notion of (semi)bricks, regarded as a generalization of (semi)simple modules, which correspond bijectively to wide subcategories, appeared in a paper of Ringel in 1976. In recent years, there has been several new developments motivated by links to τ -tilting theory studied by Asai. In this talk, we mainly apply the gluing techniques for (semi)bricks and reduction techniques for wide subcategories along a recollement introduced by Beilinson-Bernstein-Deligne. Gluing support τ -tilting modules through a formula (perhaps compatible with gluing semibricks, t-structures, co-t-structures, silting objects) is left open.

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