CLUSTER-TILTED ALGEBRAS

ASLAK BAKKE BUAN

Let Γ be a cluster-tilted algebra, that is $\Gamma = \mathrm{End}_{\mathcal{C}}(T)$ for some tilting object T in a cluster category $\mathcal{C}$. An important property of cluster-tilted algebras is that $\Gamma/\Gamma e\Gamma$ is also cluster-tilted, for any idempotenet e in Γ. We sketch a proof for this fact, and indicate some of the applications of this in the theory of cluster algebras/cluster-tilted algebras.

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Institutt for matematiske fag, Norges teknisk-naturvitenskapelige universitet, N-7491 Trondheim, Norway

E-mail address: aslakb@math.ntnu.no