

International conference on MODULES AND REPRESENTATION THEORY Cluj-Napoca, July 7 – 12, 2008



## On classes defining a homological dimension

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A class  $\mathcal{F}$  of objects of an abelian category  $\mathcal{A}$  is said to define a *homological dimension* if for any object in  $\mathcal{A}$  the length of any  $\mathcal{F}$ -resolution is uniquely determined. In this talk we investigate classes satisfying this property.