



Math for the people, by the people.

essential subcategory

Canonical name	EssentialSubcategory
Date of creation	2013-03-22 18:28:09
Last modified on	2013-03-22 18:28:09
Owner	bci1 (20947)
Last modified by	bci1 (20947)
Numerical id	9
Author	bci1 (20947)
Entry type	Definition
Classification	msc 18-00
Related topic	Category

Definition 0.1. A category \mathcal{B}_E is defined as an *essential subcategory* of a (larger) category \mathcal{A} if every object of \mathcal{A} is isomorphic to some object of \mathcal{B}_E .

References

- [1] Paul Taylor. “Practical Foundations of Mathematics.”, Cambridge University Press, 1999. (see also [http://north.ecc.edu/alsani/ct02\(1-2\)/msg00060.html](http://north.ecc.edu/alsani/ct02(1-2)/msg00060.html)categories, functors and pseudo-functors).