



sections and retractions

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| Classification | msc 18A05 |
| Related topic | TypesOfMorphisms |
| Defines | retraction |
| Defines | section |
| Defines | retractable |
| Defines | sectionable |

Let $f : A \rightarrow B$ is a morphism of a category.

- If there exists morphism $g : B \rightarrow A$ such that $g \circ f = 1_A$ then f is called *retractable* and g is called *retraction* of f .
- If there exists morphism $g : B \rightarrow A$ such that $f \circ g = 1_B$ then f is called *sectionable* and g is called *section* of f .

1 References

- <http://www.madore.org/~david/math/cat2.ps.gz> Yet Another Text on general nonsense