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mapping

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The term *mapping* is a synonym of <http://planetmath.org/Functionfunction>, although usage patterns suggest that “mapping” is the more generic term.

In a geometric context, the term “function” often connotes a mapping whose purpose is to assign values to the elements of its domain. In other words, a function defines a field of values. By contrast, “mapping” has a more geometric connotation, as in “a mapping of one space to another”.