



Math for the people, by the people.

open mapping

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Classification	msc 54C10
Synonym	open function
Defines	closed function
Defines	closed mapping

Let X and Y be two topological spaces. A function $f : X \rightarrow Y$ is said to be open if $f(U)$ is open for each open subset U of X .

Accordingly, if $f(C)$ is closed for each closed subset C of X , we say that f is closed.