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open mapping theorem

Canonical name OpenMappingTheorem
Date of creation 2013-03-22 13:12:41
Last modified on 2013-03-22 13:12:41

Owner Koro (127) Last modified by Koro (127)

Numerical id 14

Author Koro (127)
Entry type Theorem
Classification msc 30A99
Classification msc 46A30

Related topic ClosedGraphTheorem

There are two important theorems having this .

• In the context of functions of a complex variable:

Theorem. Every non-constant analytic function on a region is an open mapping.

• In the context of functional analysis:

Theorem. Every surjective continuous linear mapping between two Banach spaces is an open mapping.