planetmath.org

Math for the people, by the people.

proper mapping theorem

Canonical name	ProperMappingTheorem
Date of creation	2013-03-22 17:41:01
Last modified on	2013-03-22 17:41:01
Owner	jirka (4157)
Last modified by	jirka (4157)
Numerical id	4
Author	jirka (4157)
Entry type	Theorem
Classification	msc 32A60
Classification	msc 32A25

Theorem. *Let X and Y be complex manifolds, $f : X \to Y$ be a* **http://planetmath.org/ProperM** *holomorphic map, and $V \subset X$ be a complex analytic subvariety of X. Then $f(V)$ is a subvariety of Y.*

References

[1] Hassler Whitney. . Addison-Wesley, Philippines, 1972.