



planetmath.org

Math for the people, by the people.

upper half plane

Canonical name	UpperHalfPlane
Date of creation	2013-03-22 13:37:49
Last modified on	2013-03-22 13:37:49
Owner	brianbirgen (2180)
Last modified by	brianbirgen (2180)
Numerical id	9
Author	brianbirgen (2180)
Entry type	Definition
Classification	msc 30A99
Related topic	UnitDisk
Related topic	Complex
Related topic	UnitDiskUpperHalfPlaneConformalEquivalenceTheorem
Related topic	ConvertingBetweenThePoincareDiscModelAndTheUpperHalfPlaneModel
Defines	UHP

The *upper half plane* in the complex plane, abbreviated UHP, is defined as $\{z \in \mathbb{C} : \text{Im}(z) > 0\}$.