

## planetmath.org

Math for the people, by the people.

## neighborhood system

Canonical name NeighborhoodSystem
Date of creation 2013-03-22 12:22:18
Last modified on 2013-03-22 12:22:18
Owner Mathprof (13753)
Last modified by Mathprof (13753)

Numerical id 6

Author Mathprof (13753)

Entry type Definition Classification msc 54-00

Synonym fundamental system of neighborhoods

Related topic Neighborhood Related topic LocalBase Let  $(X, \tau)$  be a topological space and  $x \in X$ . The neighborhood system around x is the family of all the neighborhoods of x.