



Definition

Given a set A of a topological space, a point x is said to be *in the closure of A* if, for each neighborhood N of x , $N \cap A \neq \emptyset$. The *closure* of A is the set of such points.

Notation

The closure of a set A of a topological space is denoted \bar{A} . Other notation includes $\text{cl}(A)$.

