

planetmath.org

Math for the people, by the people.

successor cardinal

Canonical name SuccessorCardinal
Date of creation 2013-03-22 14:04:47
Last modified on 2013-03-22 14:04:47

Owner yark (2760) Last modified by yark (2760)

Numerical id 6

Author yark (2760)
Entry type Definition
Classification msc 03E10
Related topic LimitCardinal
Related topic CardinalSuccessor

A $successor\ cardinal$ is a cardinal that is the cardinal successor of some cardinal.

Every finite cardinal other than 0 is a successor cardinal. An infinite cardinal \aleph_{α} is a successor cardinal if and only if α is a successor ordinal.