



A SOLUTION OF COLLATZ CONJECTURE

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Received December 16, 2011

Abstract

In this paper, we solve the Collatz conjecture, remarking that the only cycle is that trivial, $1 \rightarrow 4 \rightarrow 1$, that is condensed in $1 \rightarrow 1$, writing the solving equation, indicating the working method to identify the terms of the process. Then, the Collatz process is finite because a subset of odd numbers cannot have the power of R , that is more than numerable.

Keywords and phrases: cycles, levels, families, binary system.

**Pioneer Journal
of Mathematics
and Mathematical
Sciences**



**Pioneer Scientific
Publisher**