Contents

0.1 Axiom of regularity

The axiom of regularity states that:

$$\forall x[x\neq\varnothing\to\exists y\in x(y\wedge x)=\varnothing]$$

That is, for all non-empty sets, there is an element of the set which is disjoint from the set itself.

This means that no set can be a member of itself.