

Insalate di Matematica

presents

An overview on the Suslin's problem

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Abstract

In 1920 at the end of the first volume of the journal *Fundamenta Mathematicae* a list of problems appeared. Among them M. Suslin posed the following question:

Un ensemble ordonné (linéairement) sans sauts ni lacunes et tel que tout ensemble de ses intervalles (contenant plus qu'un élément) n'empiétant pas les uns sur les autres est au plus dénombrable, est-il nécessairement un continu linéaire (ordinaire)?

In this talk it will be presented an overview with a shortcut of the strategy behind the solution of this classical problem in set theory.



Keywords:

Infinitary combinatorics · Suslin tree · Independence

"Obvious" is the most dangerous word in mathematics. - Eric Temple Bell