

*Public Lecture, IPM-Isfahan*

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*Title:*

## Independence in Combinatorics and in Algebra

*Abstract:* There are plenty of natural mathematical statements that are not determined by the axioms of mathematics. In other words, neither the statement nor its negation has a proof. On the other side are the absolute statements, i.e., those whose truth is the same in any model of the axioms and hence can be determined by a proof. For a mathematician it is useful to know whether a statement under investigation is absolute. In this talk, we will look at some general guidelines for recognising such statements based on their syntactical complexity or their content.

**April 13, 2017 (24 Farvardin 1396) at 11:00-12:00.**

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