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zve všechny zájemce

na přednášku

The rôle of symmetries in mathematics and physics

kterou prosloví

prof. RNDr. Vladimír Souček, DrSc.

MFF UK, Praha

ve středu 28. listopadu 2012

ve 14.00 hod.

ve velké posluchárně

Matematického ústavu AV ČR,

Žitná 25, Praha 1.



Jde o devátou přednášku konanou v rámci
cyklu reprezentačních přednášek
organizovaných na počest

prof. Eduarda Čecha,

jednoho z nejvýznamnějších českých
matematiků novodobé historie
a zakladatele

Matematického ústavu AV ČR.

Pavel Krejčí, ředitel

The rôle of symmetries in mathematics and physics

The main aim of the lecture is to give a short overview of various ways how the concept of symmetry was used in particular questions of mathematics and physics and how it has been changed gradually into a more and more refined and powerful tool during this century. Time available for the lecture makes it impossible to go into detail. It is possible just to present a bird's view description of the evolution during last hundred years and to mention briefly a few chosen important topics, names, examples and facts in this fascinating story.

At the same time, it is an occasion to illustrate mutual relations between mathematicians and physicists. In old times, their cooperation was very close and many of them were working in both fields. But later on, language used in both fields evolved in different ways and nowadays cooperation between mathematicians and theoretical physicists is often blocked by a language barrier between them. During the last decades, however, we are witnesses of a new revival of the cooperation, mainly due to the influence of modern theoretical physics, which is leading to a creation of whole new fields in mathematics. Some examples of this influence will be described in the lecture.

