

**CHARLES UNIVERSITY
FACULTY OF MATHEMATICS AND PHYSICS**

It is with deep sorrow and grief that we announce the passing away of

prof. RNDr. Věra Trnková, DrSc.

Professor of Mathematics,
a long-standing member of the Mathematical Institute of Charles University

Professor Věra Trnková worked at the Mathematical Institute of the Faculty of Mathematics and Physics at the Charles University for almost sixty years. With great enthusiasm, she devoted herself to scientific work, teaching and advising students. Her seminars, devoted to current research topics, were full of energy and enthusiasm. Many of her former students found successful career in academia both in the Czech republic and abroad. She presented invited and keynote lectures at dozens of international conferences. She has published two monographs and over one hundred and sixty scientific papers, mainly in the field of category theory and general topology.

In her research, Věra Trnková initially devoted herself to general characteristics of topological spaces, especially the paracompact ones. However, she was soon attracted by the young and almost unknown category theory, which she often combined with general topology. For example, she introduced the concept of an almost full embedding, and proved that algebraic categories can almost always be embedded into the category of compact topological spaces. This result significantly shifted the application of categories to other mathematical disciplines. The theory of set functors that Professor Trnková and her students developed influenced and is still influencing the scientific work of a number of researchers. It is now providing category theory applications in several directions of theoretical computer science.

The Faculty of Mathematics and Physics and the entire mathematical community of the Czech Republic are losing in Věra Trnková an outstanding personality. Her enthusiasm and originality in research and her friendly personal relationship with colleagues and students will be deeply missed.

**Věra Trnková passed away on May 27, 2018
The memorial service will be held at 9:20 A.M. on Wednesday June 6, 2018
in Crematorium Strašnice, Vinohradská 214, Prague 10.**

**prof. RNDr. Jan Kratochvíl, CSc.
Dean**

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