

Report of "Algebra and mathematical logics" department of IMM ANAS for 2015/ On this period 6 works connecting 10 executors on the theme "Investigation of Nasireddin Tousi's mathematical and logical works" and "Application of Nasireddin Tousi's mathematical and logical methods to topology and theoretical physics" were performed. The collaborators of the department published 8 papers and 2 books. One paper and one book are in print. Four papers are being prepared for print.

The paper of the head of the department associate professor Ali Babayev in collaboration with senior research associate Valeria Majlumbekova "On Nasireddin Tousi's treatise" "Collection on mathematics by means of a board and dust" sent to the International Conference held in Orenburg city of Russia on April 24, was published in the proceedings of the Conference.

The book of leading research associate cand. phys. math. sci. Eminaga Mammadov in collaboration with prof. M.Mardanov, prof. S.Mirzoyev "Additional chapters of elementary mathematics and olimpiads, III" was published.

Nasireddin Tousi's work "Tajrid el mantig" was translated from arabic to russian.

Nasireddin Tousi's work "Euclide's commentries" is being translated from arabic into azerbaijanian.

On June 4.2015 at the international seminar held at Sankt Petersburg branch of V.A.Steklov Institute of Mathematics of the Russian Academy of Sciences, head of the department Ali Babayev gave a talk " Nasireddin Tousi (1201-1274)".

On November 5, cand. phys.math.sci. E.Mammadov together with leaders of the institute participated in organization of mathematical olympiad of pupils devoted to memory of corr. member of ANAS prof. Magsud Javadov in Ismayilli region.

Head of department Ali Babayev appeared on "Leader" television channel with a talk about the number  $\pi$ .

Head of department:

Cand. phys. math. Sci. ass. prof. Ali Babayev.