

ANNIVERSARIES

BABAEV MELIK-BAKHYSH ALI-IKRAM oğlu
(to the 65-th anniversary)

Babaev M.-B.A. was born on the 3rd of January in 1936 in Baku. In 1959 he graduated from Azerbaijan Pedagogical University by the mathematician-physicist specialty with honour's degree. And beginning from this year up today his activity has been related with the Institute of Mathematics and Mechanics of the Academy of Sciences of Azerbaijan. He has began his activity in this Institute as a junior research associate. Then he was a post graduate student at the Institute. He has earned his Ph.degree in 1964 (the title of the thesis is "On the approximation of many variable functions by the sums of one-variable functions in Lebesgue space" under the guidance of acad. I.I. Ibrahimov), and his doctor of Sciences Degree in 1992 (the title of the thesis is "The approximation of many variable functions by the combinations of fewer variables functions"). He has worked as a senior research associate and a leading research associate. At present he is the head of one of the leading departments of the institute "Theory of functions". M.-B.A. Babaev's results are closely connected with Hilbert's 13-th problem. The results obtained by him have enriched the approximation theory.

The application of approximation of many variables functions from Sobolev classes by bilinear manifolds has been found, the notion of exact annihilators for linear and bilinear manifolds has been constructed, new theory of the approximation of many variables functions by polynomials has been designed in his papers. The best approximation order has been found by the exact annihilator of a class of approximated functions. A formula has been found to calculate the best approximation. A method having no analogy has been suggested to construct the best approximation function. These methods are applicable and perspective.

Babaev M.-B.A. is a component specialist, working in the field of approximation theory of modern mathematics. He is the author of more than 140 scientific papers, including 12 monographs, published in our Republic and abroad. His papers were published in such famous journals as "DAN SSSR", Trudy IMAN named after V.A. Steklov, "Mathematicheskkiye zametki", in many journals of USA and other countries. Babaev M.-B.A. is the first mathematician who has a mathematical term called by his name. In 1992 at the II International Conference on Functional Analysis and Approximation Theory, (Univ. Basilica, 1992) the manifolds determined by him were called "Babaev terms" and cited in references.

He has good relations with the scientists of the world engaged in the field of functions theory. Now M.-B.A. Babaev is a very active mathematician. In 1999-2000 by

the invitation of known scientific centers he has been in the USA and Israel, gave lectures, discussed many problems of approximation theory with leading scientists.

M.-B.A. Babaev was an active participant of more than 40 International Congresses, conferences, symposiums held in foreign countries, former USSR, and in our Republic in the field of functions theory. (F.e. in (1972)), Poland-Poznan, (1975) Kaluga, (1983) Kiev, (1979) Gdansk, (1977) Bulgary-Blagoevgrad, (1981, 1984) Varna, (1998) Ufa etc.

M.-B.A. Babaev carries out great scientific-organizational activity. By "Science courses" line created and headed by him, in 1999-2000 by his participation 8 books (In Azerbaijanian and Russian) were published. Over 1500 complete exercises collected in these books fully embrace school program, serve to rise the level of pupils and students, and to prepare qualified specialists in high schools.

The book "Mathematicheskii ukazatel" published at "Elm" publishing house in 1986 according to the acknowledge of V.I. Lenin Moscow State Library's department of "The relations with foreign publishing houses" is the book having no analogy in the world.

M.-B.A. Babaev is also engaged in agitation of mathematics among wide readers. His book "Mathematics for grandfathers, grandmothers and the little ones" was published in 1999, and the book "Curiosity and Logic" published in 2000 helps children to think logically, to the development of their thought, to the strengthening of pithy relations between parents and children. He has created a new rubric in "Sahar" program of Azerbaijan State Television called "Curiosity and Logic".

Regularly M.-B.A. Babaev gives lectures and leads "special courses" in different higher schools of Azerbaijan. He is a supervisor of many postgraduate students and candidates for a degree.

His scientific-social activity is also of great interest. Already 30 years he is a scientific editor of the International review journal "Zentralblatt für Mathematik". For many years he has been a member of the specialized defence Council of IMM. He is a member of the board of scientific papers, a member of scientific Council of the Institute, a member of the High Certificate Commission, and a Vice-President of "Azerbaijan Mathematical Society".

Now M.-B.A. Babaev in his wise age. We wish him new successes in his scientific research. We congratulate him on the occasion of his 65-th birthday and wish him long life and a sound health. Many happy returns, Melik-Bakhysh muallim!

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