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SKOPETSKYI'S CONTRIBUTION TO THE DEVELOPMENT OF MATHEMATICAL MODELING OF ENVIRONMENTAL PROCESS

Summary

The article highlights the scientific achievements V. Skopetskiy in mathematical modeling of environmental processes. Attention is focused on the development under the guidance of scientist automated systems applications, software packages and decision support systems. The practical results of scientific studies scholar.

The article analyzes the main stages of formation of Professor V. Skopetskiy's scientific views. Attention is focused on the key milestones of scientist's research and teaching activities.

Usually the individual or a group of people, whose innovative ideas and activities bring immediate radical changes into a particular field of science, become a driving factor of any development.

Therefore, it is appropriate to study the outstanding personality of V. Skopetskiy, Ukrainian cyberneticist, who worked on the development of numerical and analytical methods for applied mathematics, studied processes in heterogeneous environments, had considerable success in automating the calculation of difficult problems in physics and engineering.

At present there are no meaningful work that would give us the opportunity to realize the value of scientific heritage of V.V.Skopetskiy for national cyber science.

There are only a short biographical article published on the occasion of the 60th anniversary of the scientist in the Proceedings of the National Academy of Sciences of Ukraine. The personality of scientist are not explored and needs to be explore with learning archives and all available scientific material that left by scientist. Only on the basis of a full and in-depth research we will be able to open unexplored page of Science of Ukraine.

Textbooks and manuals prepared by V. Skopetskiy do not lost their importance even today. V.V. Skopetskiy made a significant contribution into the teaching and training of the teaching staff in the field of Ukrainian cyber science. 16 candidate and 3 doctoral dissertations were defended under his scientific instruction. It is worth noting him as a talented teacher and researcher of new areas of cybernetics. Works of V. Skopetskiy is a contribution to the development of Ukrainian cyber science.

Analysis of V. Skopetskiy's major scientific interests provides important observational findings about priority of research in cybernetics, thus Prof. V. Skopetskiy's works reflect the main courses of Ukrainian cyber science.

V. Skopetskiy paid great attention to the filtering in his researches. The development of industry, numerical growth of cities and their population raises the problem of pollution of rivers, water, air and soil. Hazardous industrial and domestic waste water stored in surface storage, which in turn leads to the need to ensure environmentally safe operation of engineering facilities. Questions of filtration in heterogeneous environments, including soils constitute a significant part in the process of building safe storage of household and industrial waste.

Contribution of V.V Skopetskyi in mathematical modeling of ecological processes is extremely important and has valuable practical results. Prospects for further research in this area are the historical analytical and psychological analysis of the formation and development of the scientific views of prominent scientist and cyberneticist V.V. Skopetskiy.

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