

SCIENTOMETRIC ANALYSIS OF PUBLICATIONS
IN THE UKRAINIAN JOURNAL OF PHYSICS
FOR THE PERIOD OF 1990—2004

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S u m m a r y

The results of our analysis of the papers published in the oldest physical journal of Ukraine — the Ukrainian Journal of Physics (UJP) — are presented. The information database about all publications in UJP within the period of 1990—2004 has been created. The articles have been classified, and the dynamics of the total number of publications, as well as the numbers of publications in different scientific domains, has been analyzed. The tendencies in the development of the collaboration of scientists from the institutions of the National Academy of Sciences of Ukraine (NASU) with the scientists of the Ukrainian higher educational institutes, the specialists from the former Soviet Union countries, and from abroad have been determined. The conclusions drawn took into account the results of studying the publications of Ukrainian physicists in leading foreign professional journals as well. Significant changes in the number of publications and in the thematic directions of researches within this historically short period have been revealed. The proportion of papers published in domestic journals to those published in foreign ones has changed substantially, which evidences for the breakthrough of the isolation of Ukrainian physics and its integration into the international science. This integration process has both positive and negative aspects with respect to the state of and the future prospects for the development of physics in Ukraine.