



SYNONYMOUS SOLUTIONS FROM THE INDEX FACTOR ANALYSIS FOR HOMOGENEOUS AND HETEROGENEOUS PRODUCTION

*Emil Hristov**

SUMMARY This article presents synonymous solutions from the index factor analysis for homogeneous and heterogeneous production. The solutions are derived from the relative form of the additive factor analysis of the same productions in the previous article by the same author. The relative change of the value mass of the heterogeneous production using the index form of the analysis is explained with the two factor indices of relative changes of the average price and the natural quantity of one single commodity. Factor indices are constructed according to the sufficient condition of the author for synonymous solutions. The latter contain combined effects only of synonymous changes of

the two factors. The other heterogeneous production is first presented as final multitude of precisely defined types of heterogeneous commodities and after that as heterogeneous aggregate. Within it, the different types of goods are distinguished by price and quantities in different natural measures. The relative change of the value mass of this type of production is analysed with two new factor indices for average relative changes of the prices and the natural quantities of the different goods. As distinction from the traditional Paashe and Laspeyers indices, the new factor indices are constructed also according to the sufficient condition for synonymous solutions.

* Ph.D. in Economics, Senior research associate I degree; e-mail: emil_hristov_37@hotmail.com.