

## Anotacijos Abstracts

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**Liukaitytė J., Rimkus E.** STAR<sub>sci</sub> modelling of maximum intensity of erythemal radiation. *Geography. Scientific Journal. 2004. Vol. 40(1)*

The purpose of the work was to find out whether the STAR<sub>sci</sub> model is suitable to use in Lithuanian conditions and its reliability by comparing the obtained data with the data from the Kaunas meteorological station.

References 14. Figs. 3. Tables 3. Lithuanian, summary in English.

Keywords: STAR<sub>sci</sub> model, erythemal radiation

**Štaras A.** The Lithuanian hydrologic geoinformation database and its adjustment for modelling water balance in river basins. *Geography. Scientific Journal. 2004. Vol. 40(1)*

The Lithuanian hydrologic geoinformation database has been created by using a digital 1:50000 base map. All spatial objects in the Lithuanian hydrologic geoinformation database are grouped in three feature types: points, lines and polygons. The GIS software and the Lithuanian hydrologic geoinformation database allow a rapid access to data series, reliable and fast methods of calculation and the application of new ways of spatial and statistical data analysis.

References 7. Figs. 4. Table 1. Lithuanian, summary in English.

Keywords: Lithuania, GIS, database, modelling

**Kilkus K., Stonevičius E.** Water balance structure of glacial tunnel lakes. *Geography. Scientific Journal. 2004. Vol. 40(1)*.

The mean annual water balance structure of four glacial tunnel lakes located in young glacial terrains of East Lithuania has been analyzed. The differences are shown to agree with the topography / drainage level of the lakes as well as with the lake area to catchment area ratio.

References 4. Figs. 3. Tables 2. Lithuanian, summary in English.

Keywords: mean annual water balance, glacial tunnel lakes, drainage level, outflow, outseepage, lake area to catchment area ratio

**Valiuškevičius G., Varkalytė R.** Territorial distribution of small lakes in Lithuania. *Geography. Scientific Journal. 2004. Vol. 40(1)*.

Information on small lakes (less than 0.5 ha) was summarised during lake inventory in 1990. However, the inventory wasn't complete, because there were no maps of lake distribution. The territorial distribution of small lakes is presented for the first time.

References 18. Figs. 2. Lithuanian, summary in English

Keywords: small lakes, lake distribution

**Kavoliūtė F.** The old cultural areas and their traces in Samogitian landscape. *Geography. Scientific Journal. 2004. Vol. 40(1)*.

The article presents the reasons for appearance of low forest coverage area in the southeastern part of the Samogitian upland. This issue is based on historical, archeological and cultural sources.

References 10, Figs. 4, Lithuanian, summary in English.

Keywords: cultural landscape, landscape change, forest coverage

**Zagorskis J.** Informational communicative paradigm and social geographical regionalization of Lithuania. *Geography. Scientific Journal. Vol. 40(1)*.

The social geographical regionalization of Lithuania has been done from the point of view of the informational communication paradigm. The main forming parameters of social geographical regions are cities, historical, ethnic and cultural provinces and the territorial administrative governing of the country.

References 7, Figs. 2. Lithuanian, summary in English.

Keywords: social geographical theory, geographical regionalization

**P. Kavaliauskas, J. Petrulis.** Electoral method in investigating the political tension of balanced social field. *Geography. Scientific Journal. 2004. Vol. 40(1)*

The methodology of the investigation of a politically balanced social field is presented. The electro-

ral method is discussed as a universal possibility for measuring the political tension. The indices for the quantitative evaluation of this phenomenon are selected.

References 37. Fig. 1. Lithuanian, summary in English.

Key words: political tension, social field, electoral geography

**Burneika D.** Regional differences in economy and their dynamics in Lithuania. *Geography. Scientific Journal. 2004. Vol. 40(1)*.

The article presents an attempt to establish the main spatial regularities and trends of development of economy in Lithuania during the period 1996–2001. Author presents the growing spatial differences of calculated GDP in municipalities of Lithuania and the main trends of GDP changes in them.

References 4, Figs. 3. Lithuanian, summary in English.

Keywords: regional differences, economic development, GDP

**Dumbliauskienė M.** The problem of standardization of cartographic signs in thematic maps. *Geography. Scientific Journal. 2004. Vol. 40(1)*.

The article deals with the standardization process in thematic cartography. Positive and negative aspects of this process are presented and the peculiarities of standardization for different kinds of thematic maps are explained. Recommendations grounded on communicative theory are formulated.

References 34, Lithuanian, summary in English.

Keywords: standardization, cartographic signs, communicative theory, thematic cartography

**Krupickas R., Kaluškevičius B.** Grouping of geobiofields phenomena *Geography. Scientific Journal. 2004. Vol. 40(1)*.

The article presents a tentative grouping of geobiofields. The principles of classification are determined and the phenomenon of the virgasphere is discussed.

References 16, Table 1. Lithuanian, summary in English.

Keywords: geogiofields, virgasphere, paranormal geography