

Anotacijos *Abstracts*

Liukaitytė J., Rimkus E. Application of the STAR model for calibration of erythemal radiation measured at Kaunas Meteorological Station. *Geography. Scientific Journal. 2005. Vol. 41(2).*

The article deals with the erythemal radiation measured at the Kaunas MS. The purpose was to calibrate the measured quantities by the STARsci model. Also the calibration of the data measured at the Kaunas MS in 2001–2002 was made using the matrix of the calibration and the single calibration constant which were determined in this work.

References 18. Figs 8. Table 1. Lithuanian, summary in English.

Keywords: erythemal radiation, calibration, modeling

Kaþys J. Impact of adverse weather conditions on road traffic accidents in Vilnius. *Geography. Scientific Journal. 2005. Vol. 41(2).*

Links between adverse weather conditions and road traffic accidents are discussed. The research is based on traffic accident data for the period 2001–2002. A new approach is used to evaluate the impact of meteorological phenomena on road crash rates in Vilnius, Lithuania. Traffic Accident Volume coefficients are constructed to estimate this impact. Results showed that over 50 percent of significantly high rates of traffic accidents are directly related with adverse weather situations. Moreover, recent research has revealed that the impact of adverse weather conditions on road accidents varies during different phases of meteorological phenomena. Three different traffic accident volume phases are noted.

References 12. Figs. 4. Tables 4. Lithuanian, summary in English.

Keywords: traffic safety, road accidents, adverse weather conditions

Paromskis R. Impact of different hydrometeorological conditions on Palanga shore zone relief. *Geography. Scientific Journal. 2005. Vol. 41(2).*

The seashore zone relief changes taking place along the Palanga promenade pier have been analysed depending on hydrometeorological regime. Conclusions have been made about the dependence of accumulation and erosion on wave direction, height and storm structure, especially in storm subsiding phase.

Referentes 9. Figs. 4. Tables 2. Lithuanian, summary in English.

Keywords: seashore zone, hydro-meteorological regime, hydro-engineering, morphodynamics

Bautrėnas A., Dumbliauskienė M. Colour perception and reproduction in cartographic design. *Geography. Scientific Journal. 2005. Vol. 41(2).*

The fundamental statements of theory of colours and the terms directly related to map design are presented, a method for investigating colour perception and reproduction (recognition) in cartographic design is proposed. The obtained results are summarized and conclusions are made.

References 22. Figs. 5. Tables 2. Lithuanian, summary in English.

Keywords: colour, colour perception, cartography, cartographic design, tactile colour

Aidis R., Krupickaitė D., Blinstrubaitė L. The loss of intellectual potential: migration tendencies amongst university students in Lithuania. *Geography. Scientific Journal. 2005. Vol. 41(2).*

This paper presents a preliminary analysis of the survey data collected in 2005 as part of the eMigration project addressing the current and future plans of university students in Lithuania to work abroad. Six main influences are analysed: field of study, university, course year, birth year, sex and previous working abroad experiences on a student's plans to work abroad in 2005.

References 14. Figs. 0. Table 9. English, summary in Lithuanian.

Keywords: youth emigration, brain drain, work abroad

Brąukienė I. Regional dispersion of Lithuanian foreign trade in 1996–2003. *Geography. Scientific Journal. 2005. Vol. 41(2).*

Foreign trade influences the economy of the country and its stability, the restructurization of economy and its competitive abilities in the world and regional markets. The paper analyses the territorial dispersion of foreign trade, highlights the most important prerequisites that determined the trade development, alterations and tendencies.

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

Keywords: foreign trade, region, export, import, EU, CIS

Stanaitis A., Stanaitis A. 60 years to studies of geography at the Vilnius Pedagogical University. *Geography. Scientific Journal. 2005. Vol. 41(2).*

A brief survey of the studies of geography at Vilnius Pedagogical University over 60 years is given. The total of 3671 school teachers have been trained at the geographical departments of full-time and ex-

tramural studies. Possibilities of training and improving of qualification are considered.

References 20. Figs. 1. Tables 2. In Lithuanian, summary in English.

Keywords: study of geography, Vilnius Pedagogical University, training, school teacher

Burbulytė G. Regional research in human geography: methodological changes. *Geography. Scientific Journal. 2005. Vol. 41(2).*

Regional geography and regional research in geography are, almost certainly, the oldest types of geographic inquiry. At the end of the 19th century geography exploded into physical and human branches. Since then it is possible to trace three stages of regional research development in human geography. The article briefly represents all the three stages of this development through a review of the prevailing methodological changes.

References 27. Lithuanian, summary in English.

Keywords: regional geography, regional research, methodological change, methodological paradigm