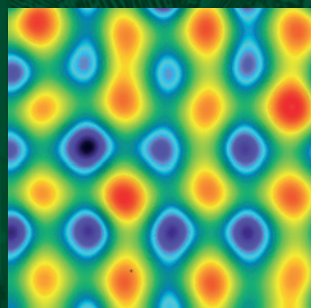


# Contents



It was said ...	67
Editorial	68
<b>RESEARCH PAPER</b>	
Thermodynamic properties of liquid Cu-Sb-Sn alloys by equilibrium saturation and Knudsen effusion mass spectrometric J. Romanowska (Poland), L. Bencze (Hungary), A. Popovic (Slovenia)	69
<b>MATERIALS</b>	
Characteristics of phase transitions in $Ba_{0.995}Na_{0.005}Ti_{0.995}Nb_{0.005}O_3$ ceramics W. Bąk (Poland)	75
Microstructure and properties of $\alpha + \beta$ brass after ECAP processing J. Dutkiewicz (Poland), F. Masdeu (Spain), P. Malczewski, A. Kukuła (Poland)	80
Research of thermal processes in cutter edge made of HS 3-1-1,5 low-alloyed high-speed steel J. Jaworski (Poland)	84
Diffused phase transition of polycrystalline $(Ba_{0.80}Sr_{0.20})TiO_3$ C. Kajtoch, W. Bąk, M. Gabryś, K. Mrocza, B. Handke, F. Starzyk (Poland)	88
Micro-, submicro- and nano- $Si_3N_4 - SiC$ composites sintered by the HPHT method P. Klimczyk (Poland), V.S. Urbanovich (Belarus)	92
Structure and mechanical properties of AlZnMgCuZr alloy manufactured from powders J. Senderski, B. Płonka, M. Lech-Grega, S. Boczek, W. Pachla (Poland)	97
The influence of the sintering conditions on the properties of the stainless steel reinforced with $TiB_2$ ceramics I. Sulima, P. Klimczyk, P. Hyjeka (Poland)	103
<b>PROPERTIES</b>	
Dielectric spectroscopy study of $Ba_{0.98}Na_{0.02}Ti_{0.98}Nb_{0.02}O_3$ ceramics W. Bąk, M. Gabryś, C. Kajtoch, K. Stanuch, F. Starzyk (Poland)	107
Water induced evolution of dielectric and micro-structural properties of rice starch F. Starzyk, A. Chrzanowska, W. Łużny, M. Śniechowski (Poland)	111
<b>METHODOLOGY OF RESEARCH, ANALYSIS AND MODELLING</b>	
An influence of the curvature on the kink dynamics in the spherical Josephson junction T. Dobrowolski (Poland)	116
Modelling of non-symmetrical side-extrusion in preparation of steering knuckle preform M. Kowalski, K. Marszałek, J. Sińczak (Poland)	121
Author index	125
Keywords index	126
Publisher's notice	127
Editor's notice	128