

Contents

J. SKŁADZIEN: Professor Jan Szargut on his 75th birthday and 50th anniversary of scientific activities	5
A. ZIĘBIK: Professor Jan Szargut's scientific activity	7
P. DOWNAR-ZAPOLSKI, Z. BILICKI: The pseudo-critical vapour-liquid flow	13
S. POLESEK-KARCZEWSKA, B. J. GROCHAL: Heat conduction in a multigrain bed of activated carbon	27
A. MITROWSKI, P. FURMAŃSKI: Numerical analysis of forced convection heat transfer during fully developed flow in a channel filled with porous medium	39
W. D. BAUER, W. MUSCHIK: Kink conditions for isobars in binary v-x-phase diagrams induced by the second law	59
J. SZARGUT: Problems of thermodynamic optimization	85