Theory of multicomponent diffusion in fluid systems. Part II. Applications of the constitutive equations of multicomponent diffusion

Publication date:	28.12.2017
Publication title:	Theory of multicomponent diffusion in fluid systems. Part II. Applications of the constitutive equations of multicomponent diffusion
Authors:	Andrzej Burghardt
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	mechanical theory of diffusion, constitutive equations, driving forces of diffusion

Abstract: The constitutive equations of multicomponent diffusion derived in the first part of the study [1] basing of the mechanical theory of diffusion are applicable to any isotropic fluid mixture like gases under low and high pressure, liquids, electrolyte and polymeric solutions as well as plasma. Therefore in this (second) part of the study examples of application of the theoretical expressions derived in the first part are presented with respect to the fluid systems mentioned above.

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Metryczka

Published by:	Artur Wojdyła
Published at:	18.09.2025 12:29
Number of views:	114