

ENTROPY PRODUCTION  
IN THE DIFFUSION OF A MARGULES  
SOLUTION IN A PLANE-PARALLEL PORE

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S u m m a r y

An expression for the entropy production in the case of the facilitated diffusion of a Margules binary solution has been obtained. A stabilizing effect with respect to the solution concentration gradient was revealed. The entropy contributions to changes of the thermodynamic potentials at the mixing are found to play a dominant role in the transformation of the character of entropy production in the system.