

THE DISTRIBUTION
OF COMPONENTS OF A BINARY
SOLUTION IN THE SPATIALLY
BOUNDED SYSTEM. I. A PLANAR PORE
WITH ASYMMETRIC NEAR-WALL POTENTIAL

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S u m m a r y

A lattice model of liquid is applied to the calculation of the concentration of a binary mixture. The expansion of the potential of an external field in a functional series is constructed, and, as a result, the expansion in direct correlation functions of all orders is obtained. For a plane-parallel pore with asymmetric exponential near-wall potential, a solution of the deduced differential equation is constructed.