

## STATIC SHEAR VISCOSITY OF A BIMODAL SUSPENSION

*N.P. Malomuzh<sup>1</sup>, E.V. Orlov<sup>1,2</sup>*

<sup>1</sup>Odesa National University  
(2, Dvoryans'ka Str., Odesa 65026, Ukraine;  
e-mail: *mnp@normaplus.com*),

<sup>2</sup>Odesa State Economic University  
(8, Preobrazhens'ka Str., Odesa 65026, Ukraine)

### S u m m a r y

The static shear viscosity  $\eta$  of a bimodal suspension is studied. The value and volume fraction dependence of  $\eta$  is determined within the cell approach. It is shown that the characteristic peculiarities in the behaviour of  $\eta$  are connected with inhomogeneous distribution of small disperse particles in a system. The comparison of the obtained results with the computer simulation data is performed.