

During my visit to Lviv (1.06-30.06, 2013) we have worked with J. Ilnytsky on the problem of the flow of oligomeric fluids through slit-like pores decorated with polimeric brushes.

We have developed the DPD code suitable for such studies and performed several tests.

At present, we have already completed all the data and started to analyze the results and to write a paper reporting on our findings.

I have been also involved in collaboration with A. Trokhymchuk on the behavior of phase transitions in fluids of particles interacting via complex potentials.

I have also presented a seminar on the close loop miscibility in simple symmetrical mixtures.