

Title:

Project status and current developments

Abstract:

We will give an overview of the current developments of project A.6. The talk is divided in two parts. In the first part, we will address current developments of the SPH method. These are open boundary conditions for ISPH, the consolidated SPH-Code, now-called, SiPER, and applications to micro-flow simulations in 2D and 3D.

The second part is focused on the physical aspects of polymer phase inversion membranes. We will present the latest experimental investigations and discuss them. This will lead to the aim of the project A.6 in the probably next funding period.