

SUPER – Stuttgart University Program for Experiencing Research Project Information

Institute's Information

Name of Institute Institute of Thermodynamics and Thermal Process Engineering ITT
Contact Person Thorsten Markert
Phone +49 711 685 66104
e-mail Thorsten.markert@itt.uni-stuttgart.de

Duration of Project/Number of Students

June/July X
June/July/August X
Number of Students 1

Name of Project **Determine Viscosity of a model fluid mixtures in a molecular computer simulation**

Beneficial Skills & Knowledge **General interest in simulation technology.
Basics in Thermodynamics.
No knowledge of molecular dynamics are required.**

Description of Work

Your work will be motivated by a current research question!
One aim of your visit could be to determine viscosity of a fluid mixture of our interest.
Therefore we use Molecular Dynamic Simulation.

You will determine with us your research question of your stay.
You will learn to set up and manage several simulations at once.
You will learn to run and handle the simulations with software, bash- and python-scripts.
You will post process your simulations and learn to clarify your results.

