

METHODS FOR MULTIPHASE FLOW

PROJECT AIM

Develop computing methods for multiphase flow.

PROGRESS

A method based on the level set method has been developed for the coalescence of two bubbles. Furthermore, a combination of analytical and numerical methods has been developed for care angular flow of an oil water mixture.

DISSERTATIONS

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SCIENTIFIC PUBLICATIONS

1. S.P. van der Pijl and A. Segal and C. Vuik and P. Wesseling . Computing three-dimensional two-phase flows with a mass-conserving level-set method. Comput. Visual Sci., 11, pp. 221-235, 2008.

PROJECT LEADERS

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RESEARCH THEME

Complex dynamics of fluids

PARTICIPANTS

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COOPERATIONS

TUD, Fac. EWI, TUD-OCR Fluid Dynamics.

FUNDED

NWO

1st 25% 2nd 50% 3rd 25%

START OF THE PROJECT

2003

INFORMATION

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