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Type: Non spécifié

Etude du transfert de masse multiphasique entre une cavité et un écoulement externe cisailant.

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This project will investigate the fluid mechanics related to the cleaning of undesirable viscous liquid substances on solid surfaces with complex geometry. A viscous liquid substance (liquid 2) is confined in a surface cavity. An external shearing liquid flow (liquid 1, the cleaning liquid) induces convective-diffusive mass transfer between the two phases to extract liquid 2 and 'clean' the cavity. The objective of this project is to obtain experimental data to ultimately (and beyond this project, which is part of a broader research framework) establish and validate models of fundamental physical phenomena.

Master

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