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Employment

PhD Fellow
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18 Feb 2022 → present

Research outputs

Controlling the dewetting morphologies of thin liquid films by switchable substrates
Zitz, S., Scagliarini, A. & Harting, J., 19 Dec 2023, In: Physical Review Fluids. 8, 12, 9 p., L122001.

Swalbe.jl: A lattice Boltzmann solver for thin film hydrodynamics
Zitz, S., Zellhöfer, M., Scagliarini, A. & Harting, J., 5 Sept 2022, In: The Journal of Open Source Software. 7, 77, 4312.

To coalesce or not to coalesce: Droplets and surface tension gradients
Zitz, S., Richter, T., Missios, K. & Pedersen, J. R., 2022, (Physical Review Fluids).

Lattice Boltzmann simulations of stochastic thin film dewetting
Zitz, S., Scagliarini, A. & Harting, J., Sept 2021, In: Physical Review E. 104, 3, 10 p., 034801.

Lattice Boltzmann method for thin-liquid-film hydrodynamics
Zitz, S., Scagliarini, A., Darhuber, A., Harting, J. & Maddu, S., 2019, In: Physical Review E. 100, 3, 033313.

Dyson–Schwinger equations and $N = 4$ SYM in Landau gauge
Maas, A. & Zitz, S., 1 Mar 2016, In: The European Physical Journal C. 76, 3, 113.

Datasets

Swalbe.jl: A lattice Boltzmann solver for thin film hydrodynamics
Zitz, S. (Creator), Zellhöfer, M. (Creator), Scagliarini, A. (Creator) & Harting, J. (Creator), Zenodo, 29 Aug 2022
DOI: 10.5281/zenodo.7030890, <https://zenodo.org/records/7030890>