

WORKGROUP FOR MULTIPHASE FLOWS



Atomisation and sprays

Current projects:

› Droplet jet - lyophilization (LBM 3D)

(https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Droplet+jet+lyophilization+_+functional+solid+particles-p-110.htm)

› Development of agglomerate structures

(<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Development+of+agglomerate+structures.html>)

› Collisions of viscous droplet

(<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Collisions+of+viscous++droplets.html>)

Completed projects:

› Aquaplaning (<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Aquaplaning.html>)

› Atomization of fluids (<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Atomization+of+fluids.html>)

› Gas turbines with water injection

(<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Gas+turbines+with+water+injection.html>)

› Design und control of agglomeration in spray dryers

(<https://www.mps.ovgu.de/mps/en/Research/Multiphase+Flows/Atomisation+and+sprays/Design+and+control+of+agglomeration+in+spray+dryers.html>)

