

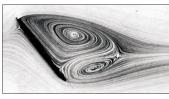
REOROM LABORATORY UNIVERSITY POLITEHNICA OF BUCHAREST Corneliu Balan & REOROM Team

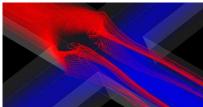






DYNAMICS OF THE INTERFACE or How many details do you need to characterize an object?







MUCCA – Multi-disciplinary Use Case for Convergent new Approaches to AI explainability

CHIST-ERA – 19 – XAI – 009 MUCCA project, by the founding of EC and UEFISCDI, grant COFUND-CHIST-ERA

1st meeting, Rome, 11-13 April, 2022





Traian

Aurelian

















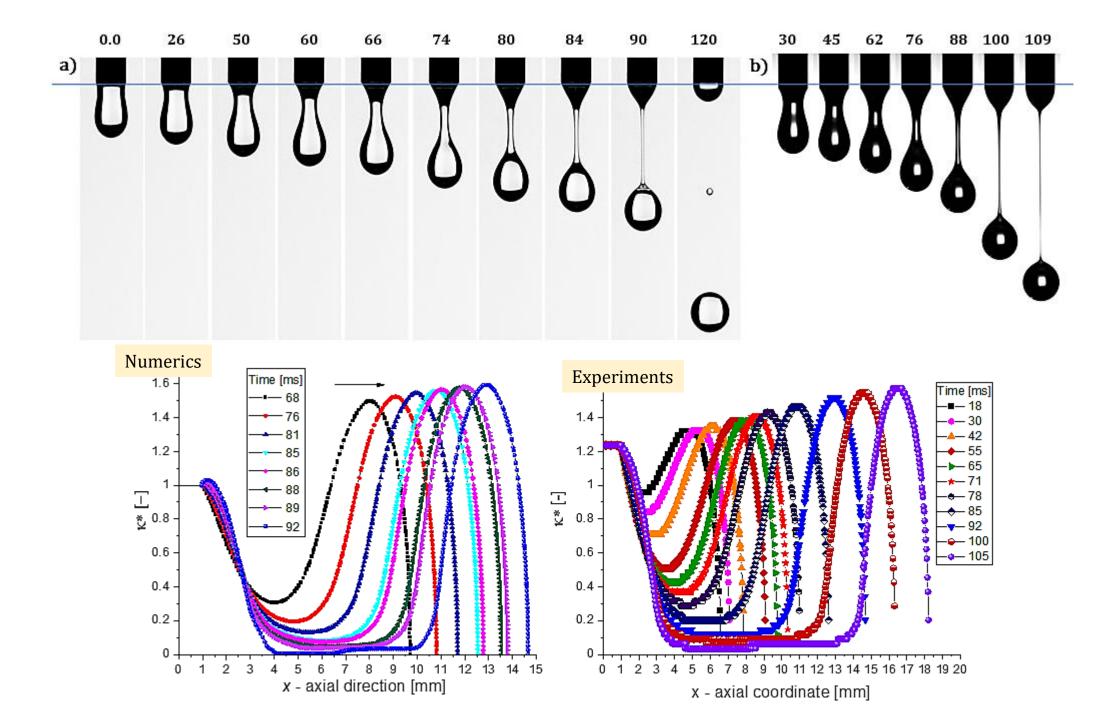


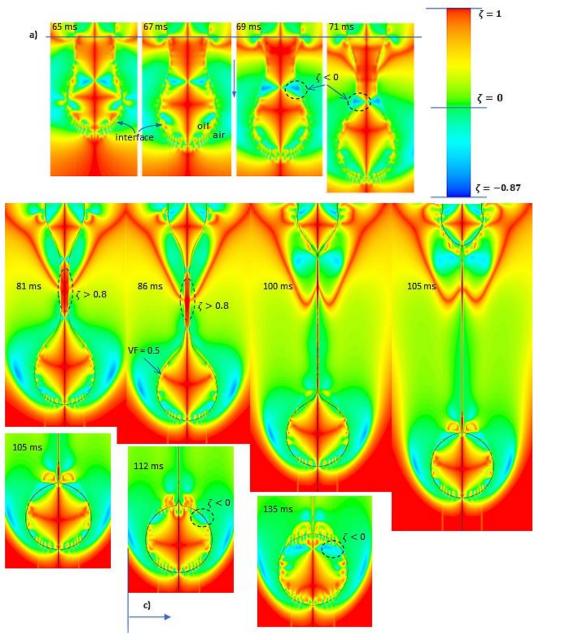


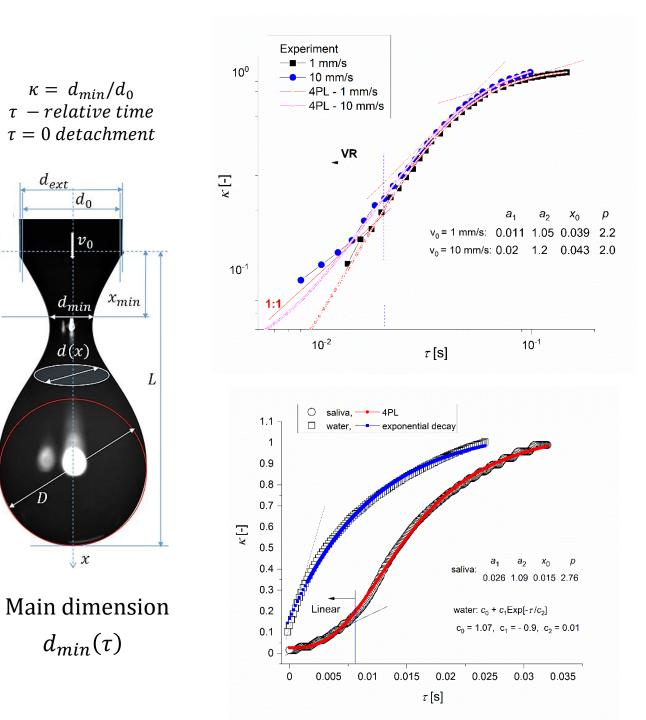












 $\kappa = d_{min}/d_0$

 τ – relative time

 d_0

 v_0

 d_{min}

d(x)

 $\therefore x$

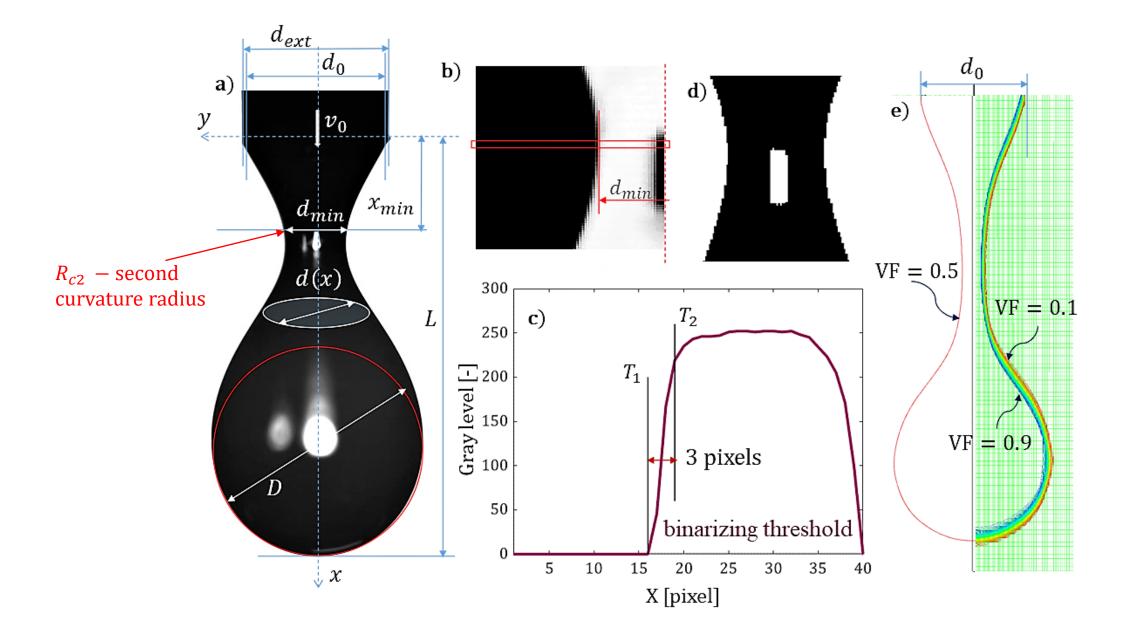
 $d_{min}(\tau)$

 x_{min}

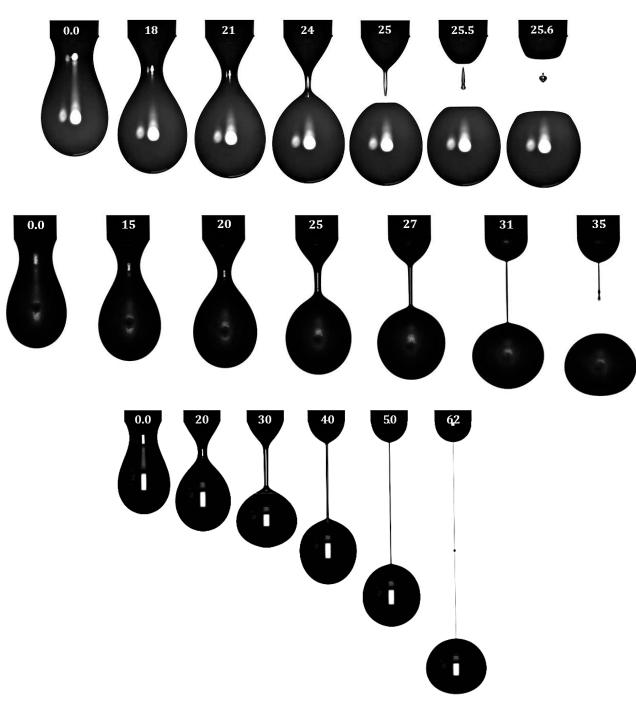
L

 d_{ext}

y ≼----



Parameters: curvature radii dependence in time



Goal of the study To relate a series of images with pinch-off/detachment droplets with the fluid properties

10 mm/s

