

Annual European Rheology

Conference



April 14-17, 2015, Nantes, France

COALESCENCE PHENOMENON – ANOTHER APPROACH FOR EXTENSIONAL RHEOLOGY

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ABSTRACT

The present study is focused on the coalescence phenomena, elasto-capillary thinning and breakup for a droplet of fluid in the presence of a solid surface and a free fluid surface. A capillary bridge/filament is formed between the needle tip (in this case, considered the solid surface) and the fluid interface when the coalescence phenomenon begins. An experimental work has been made in order to study the influence of elasticity

EXPERIMENTAL METHOD







Ioana - Laura Omocea's work has been funded by the Sectoral Operational Programme Human Resources Development 2007-2013 of the Ministry of European Funds through the Financial Agreement POSDRU/159/1.5/S/134398. This work was supported by grant of the Romanian National Authority for Scientific Research, CNDI-UEFISCDI, project number PN-II-PT-PCCA-2011-3.1-0052. The authors will like, also, to acknowledge the financial support of LEAF Project ANP-11-EQUIPEX-0025 and support for CaBER measurements to Fresenius Kabi GmbH, Deutschland.