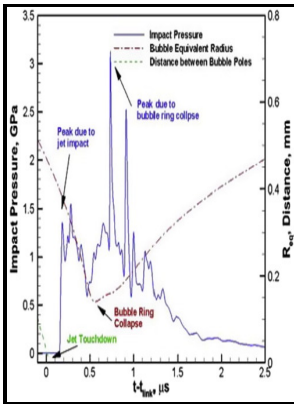


Hydrodynamics of jet impact in a collapsing bubble

University of Birmingham - Oil Jet with Dispersant: Macro



Description: -

-Hydrodynamics of jet impact in a collapsing bubble

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Notes: Thesis (Ph.D.) - University of Birmingham, School of Mathematics and Statistics, 2003.

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Tags: #3D #Jet #Impact #and #Toroidal #Bubbles

Influence of the Impact Velocity and Size of the Film Formed on Bubble Coalescence Time at Water Surface

One of the main consequences of cavitation is structural damage to neighboring objects due to bubble collapse.

ShieldSquare

The role of unsteady flow structures in mixing was studied.

Hydrodynamics of jet impact in a collapsing bubble

Thus, jet load in the bubble stage is mainly generated by the annular jet with a higher impact speed.

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This can be explained by the hydrodynamic instability by large surface tension as in aqueous liquids.

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