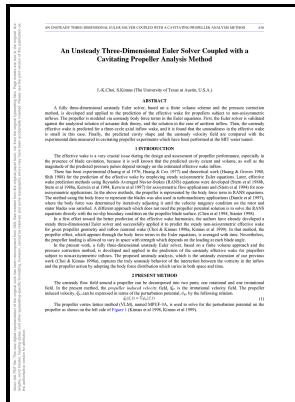


Cavitation state of knowledge [papers]

American Society of Mechanical Engineers - Proposed Universal Method for Quantifying the Severity of a Cavitating Control Valve Service



Description: -

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Notes: Includes bibliographies.

This edition was published in 1969



Filesize: 17.43 MB

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The various forms which have been proposed for nuclei are gas bubbles, gas in a crevice, gas bubble with organic skin, and a hydrophobic solid. In this case, the cavitation in the largest pores leads to the reopening of small pores in a neighboring zone of the sample.

Cavitation controls droplet sizes in elastic media

Wear 2003, 255, 162—169, Part 1 AUG-SEP 2003.

Cavitation Erosion Resistance Assessment and Comparison of Three Francis Turbine Runner Materials

The erosion process promotes anodic dissolution reactions, which are charge transfer activation controlled. That, in turn, increases spray atomisation quality.

Cavitation

Full scale industrial pump efficiency testing data was used to determine the initial cavitation parameters for the analysis.

Cavitation

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Cavitation Erosion Resistance Assessment and Comparison of Three Francis Turbine Runner Materials

In this paper, we study the drying of water-saturated porous polydimethylsiloxane PDMS elastomers with closed porosity in which the evaporation of water is possible only via the diffusion across PDMS.

Collapse and cavitation during the drying of water

Cavitation inception and boiling can be compared in terms of the vapor-bubble dynamics of sub-cooled and super-heated liquids Plesset 1957.

A Cavitation Susceptibility Meter With Optical Cavitation Monitoring—Part Two: Experimental Apparatus and Results

Elevated shear stress strongly affects endothelial cells: shear stress can modify gene expression and metabolism, result in vessel dilation, increase membrane permeability, and produce radicals VanBavel, 2007.

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