

Accepted Manuscript

The investigation of natural super-cavitation flow behind three-dimensional cavitators: Full Cavitation Model

Ebrahim Kadivar, Erfan Kadivar, Khodayar Javadi, Seyyed Morteza Javadpour

PII: S0307-904X(16)30670-9
DOI: [10.1016/j.apm.2016.12.017](https://doi.org/10.1016/j.apm.2016.12.017)
Reference: APM 11479

To appear in: *Applied Mathematical Modelling*

Received date: 9 October 2015
Revised date: 21 October 2016
Accepted date: 15 December 2016

Please cite this article as: Ebrahim Kadivar, Erfan Kadivar, Khodayar Javadi, Seyyed Morteza Javadpour, The investigation of natural super-cavitation flow behind three-dimensional cavitators: Full Cavitation Model, *Applied Mathematical Modelling* (2016), doi: [10.1016/j.apm.2016.12.017](https://doi.org/10.1016/j.apm.2016.12.017)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Experimental and numerical study of natural super-cavitating flow around cavitators.
- Study of the effect of control parameters on characteristics of the supercavity.
- Addition of the Full Cavitation Model in the OpenFOAM package.
- Suggestion of the $k - \epsilon$ turbulence approach with the Full Cavitation Model.

Download English Version:

<https://daneshyari.com/en/article/5471185>

Download Persian Version:

<https://daneshyari.com/article/5471185>

[Daneshyari.com](https://daneshyari.com)