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Manuscript Title : *CFD Simulation Verification Processes at Planing Hulls using An Interceptor*

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Review Form Response

Article ID #48319
Title CFD Simulation Verification Processes at Planing Hulls using An Interceptor
Review Form [for Reviewer] New Review Form for 2020 Edition

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Abstract

Write your comments about the abstract content. The contents of the abstract must include **the background** of the problem, **the objectives and bene** of the study, **the methods** of solving, the **results obtained and conclusions**.

*

This article presents a clearly written verification process of CFD simulation of planning hulls using an interceptor. The result is interesting and can be considered in Kapal Journal.

1. INTRODUCTION

Write your comments about the "research background". *

2. The novelty and superiority of this investigation should be stated clearly at the end of the literature surveys.

Write your comments on "Review of Previous Study" and "Position / Distinguish of the current research with previous research" *

The authors should highlight the gap and significance of the study before you write the objective of the study.

Write your comments about "Research Objectives and / or Benefits" *

The objective should be clearly stated

2. METHODS

Write your comments on "Research Objects and Treatment of Objects". *

Describe clearly the governing equation that is used for the simulation.

Write your comments about "The solution method along with the procedure used to research". *

Is the simulation considered the 6-DOF related to the two-phase flow interactions? Described clearly the boundary condition according to this setting parameter.

3. RESULTS AND DISCUSSION

Write your comments about "Research Results". (e.g. is it in accordance with existing theories, makes sense and so on) *

Figure 8 it suggests using the same scale of the Froude number.

Write your comments about "Tables and Charts". (e.g. how deep shows / represents the results of research, does anything need to be explained in detail) *

Add comparison results of the effect interceptor with other previous studies.

4. CONCLUSIONS

Write your comments about "Conclusions". *

7. The conclusion should be based on the result and state what the findings and closed by the future direction.

OVERALL COMMENTS

Write your overall comments about this manuscript *

The manuscript can be considered in Kapal Journal.

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* Denotes required field

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Abstract

Write your comments about the abstract content. The contents of the abstract must include **the background** of the problem, **the objectives and bene** of the study, **the methods** of solving, the **results obtained and conclusions**.

*

I would suggest more details in the abstract, regarding Methods (grid dependency, explanation about percentage of interceptor)

1. INTRODUCTION

Write your comments about the "research background". *

the authors could (maybe) mention more published studies that use interceptor

Write your comments on "Review of Previous Study" and "Position / Distinguish of the current research with previous research" *

Not all the previous studies described in detail the "INTRODUCTION" are really needed there.

Write your comments about "Research Objectives and / or Benefits" *

the explicit of research objectives and integration of the analysis must be more explained

2. METHODS

Write your comments on "Research Objects and Treatment of Objects". *

You need to explain and show be more detailed of position interceptor (0%,60%,100%)

Write your comments about "The solution method along with the procedure used to research". *

You need to show density mesh be more detailed in the inceptor area

3. RESULTS AND DISCUSSION

Write your comments about "Research Results". (e.g. is it in accordance with existing theories, makes sense and so on) *

Author must insightful discussion of the result of simulation accordance with existing theories (savitsky)

Write your comments about "Tables and Charts". (e.g. how deep shows / represents the results of research, does anything need to be explained in detail) *

Table 2 shows experiment result of another author, this required to add its source

4. CONCLUSIONS

Write your comments about "Conclusions". *

I think the sentence "with an accuracy tolerance of 10.7%" should be changed. the word "accuracy" only for small different of result

OVERALL COMMENTS

Write your overall comments about this manuscript *

The revision highlights the importance of verification and provides a reasonable approach for evaluating the results from CFD simulations.
I suggest this paper is worth to be published in "KAPAL".

Close

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