

Influence of Bow-Wave Breaking on the Added Resistance of Fast Ships

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Propositions

accompanying the dissertation

Influence of Bow-Wave Breaking on the Added Resistance of Fast Ships

by

BongJun Choi

1. Phenomenon analysis based on experimental observations improves the practical solution to complex phenomena such as the effect of added resistance of bow wave breaking. (This thesis)
2. The effect of the bow wave breaking on the added resistance depends on the crest stability of the bow wave. (This thesis)
3. Appropriate tools of data interpretation save the researcher time. Analysis tools that can intuitively understand the nature of complex phenomena enable immediate causal analysis. (This thesis)
4. Experiments can not produce valuable results without the researcher's enormous pre- and post-work.
5. Wisdom often solves things that are difficult to solve by theory in life. Correlation should be pursued in addition to causality.
6. Old-fashioned values can be more than new values. Thanks to computer digital, modern times are much faster, but old analogs with spirits can have a bigger impact.
7. Continuous re-selection of tools is necessary as technology changes. The hardest thing in the world is not to accept new ideas, but to yield preconceptions.
8. The efficiency of research starts from concentrating on what I can do and is completed through collaboration with colleagues.
9. People can be happiest when they live together. Community awareness is a fuel that creates an efficient society that contributes together at the same time.
10. Doctoral research is a profession that creates the rational variation. It starts with pleasure curiosity and is completed with creative stress.

These propositions are regarded as opposable and defensible, and have been approved as such by the promotor prof. dr. ir. R. H. M. Huijsmans.