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NUMERICAL INVESTIGATION OF SHIP'S HULL AIR LUBRICATION SYSTEM EFFICIENCY

This paper presents results of application of air lubrication method as one of the methods for ship water resistance reduction. The research was performed for a ship designed for shallow waters. Water resistance analyses were carried out for a certain range of speeds with air injection and without. Investigation was carried out using computational fluid dynamics software FLOW – 3D. Results presented graphically and in absolute values are showing the efficiency of applied method.

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