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# THE NUMERICAL ANALYSIS OF MARINE-SHIP PROPELLER

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***ABSTRACT***

***In this paper, numerical simulationwas done to decide the hydrodynamic qualities in a cavitatingviscous stream of the standard INSEAN E779A in single and couple propeller arrangement utilizing cavitation show executed in FLUENT Software. Next, figuring's have been done on fore propeller of tandem propeller and tandem propeller in non-cavitating streams. Those registered exhibitions indicate great concurrence with trial information. Next, the numerical methodology was connected in loaded conditions to the instance of couple propeller arrangements individually 0.6 and 0.2 pivotal uprooting. The outcomes uncover the comparison of thrust and torque between the single propeller and tandem propeller. The utilization of pair co-turning propeller in stacked conditions is featured.***

***KEYWORDS: Marine Propeller, Cavitation & Tandem Propeller***

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