

IMPROVING THE COMFORT OF A FAST FERRY WITH THE CONTROL OF FLAPS AND T-FOIL

By

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Our research focus on a specific ship navigating in head seas. Two flaps at the transom and a T-foil near the bow will be the moving actuators. The research comprises two main steps: first to develop a tool for control design, in the form of a computer-based simulation, and second to use this tool to obtain a satisfactory control. Promising results have been attained.

The structure of this article follows essentially the chronological development of the research. But before a report of the research, let us consider the main aspects of the problem to be solved: sea-sickness, sea states and motions of the ship.