

## **MATHEMATICAL MODEL AND ALGORITHMS CONTROL OF SHIP IN MEETING MOTION WHEN PASSING THROUGH THE CHANNEL**

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### **ABSTRACT**

In this paper, the author devotes the development of mathematical model and algorithms control of ship in meeting motion when passing through the channel. The research object is the adaptive control, the algorithm of auto pilot regulator and the programs of ship control based on the fuzzy control that assure the accuracy and the navigational quality in the narrow water with the infinite of external impacts.

**Keywords:** The adaptive control, fuzzy control, ship in meeting motion.