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DEVELOPMENT OF A INFORMATIONAL MODEL OF INFLUENCE THE "HUMAN FACTOR" TO ERGATIC MARITIME SYSTEM

In the course of development, on the basis of practical and experimental data, sources of factors were collected with which the navigators (cadets) operates to make decisions [1-4]. Having identified the main significant factors affecting the ergatic navigation system, it became possible to build a generalized model of the influence of the "human factor" on ergatic navigation systems for critical situations (Fig. 1).

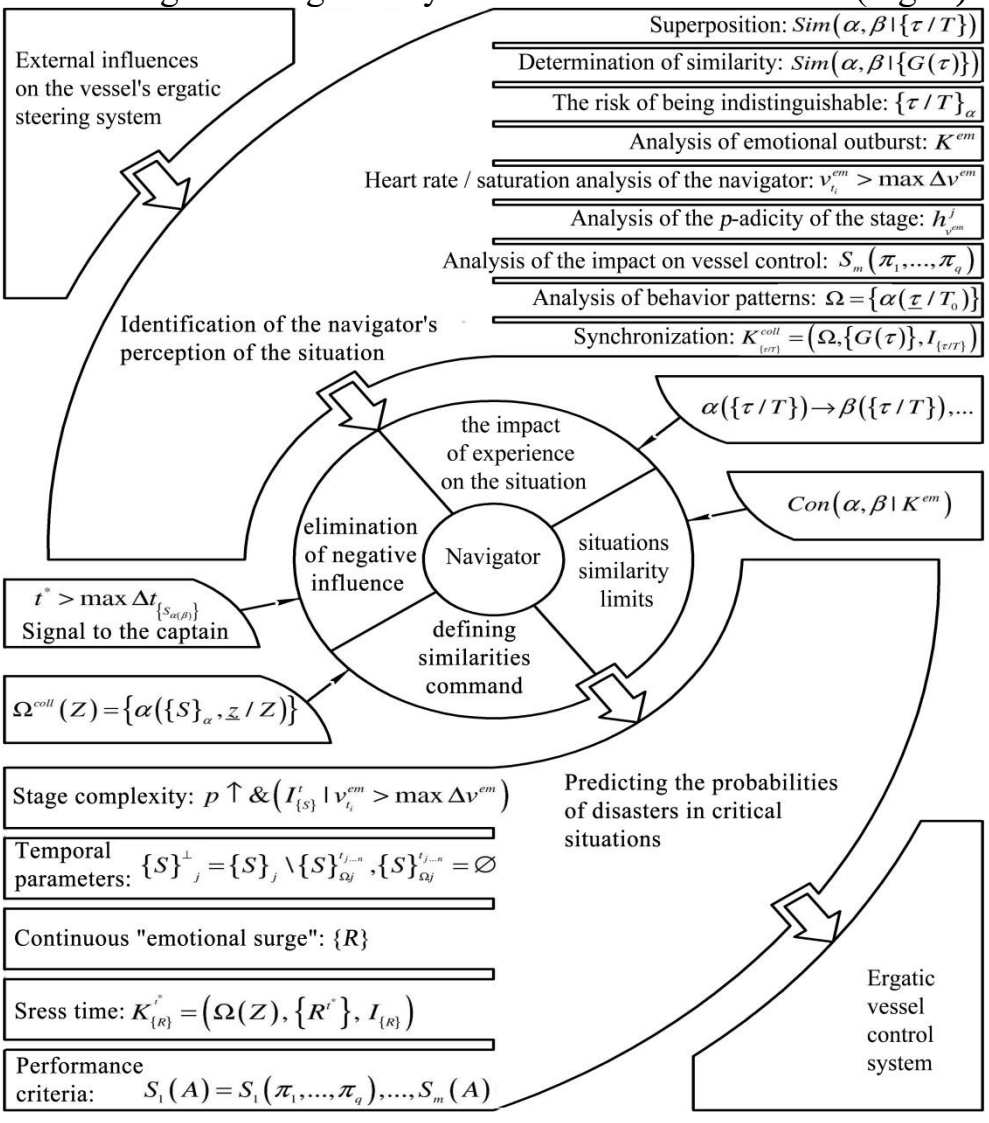

Fig. 1. Informational model of "human factor" influence to ergatic navigation systems

Conclusions. The use of the navigation safety control system significantly influenced the stabilization of the vessel trajectory in situations when the navigator could not make an adequate decision for the situation, and the captain did not have time to strengthen. At the same time, in contrast to switching to fully automated vessel control [5-9], a combination of decision-making under conditions of optimal separation of control functions between the captain and the automated system was selected in this study.

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