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Evaluation of Safety of Ship Navigation in Restricted Water

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Summary: Tokyo International Airport (Haneda Airport) is used as a center of a domestic airport in Japan by about 60 million people a year, and is requested to correspond to the increase of the demand in the metropolis in the future immediately. This is an extremely important agenda to maintain and to improve not only the user's convenience but also the global competitiveness of our country. Then, a new slide was decided to be installed in the sea in parallel to present "B" slide in December, 2001 since the airport capacity, the noise problem, and environmental problems, etc. were considered. On the other hand, the construction of it is expected to give a big influence to the ship sailing in Tokyo Bay, which plays an important role as the marine transport road where an energy resource, an industrial raw material, and the daily commodity, etc. that support an economic activity and the life of the people. It is necessary to change the position of sea route in Tokyo Bay and there is a possibility that sailing becomes difficult for large ships. So, it aims to execute the numerical simulation for a large container ship to examine the influence on the port function and to give one standard to the sea traffic control with the examination of a new first sea route in Tokyo Bay for the index that evaluates the safety of sailing.

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