

PROBLEMS OF RELATIONAL NAVIGATION IN LOAD TRANSPORTATION ON HELICOPTER EXTERNAL HANGER

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The authors investigate the possibility of using a satellite radio navigation system for satellite support of load transportation on a helicopter external hanger. A functional scheme of solving the task of navigation and an algorithm of determining the vector of relative position of the helicopter and the load when complexing the measurements coming from two navigation receivers are given. The scheme proposed is assessed by the numerical results of statistic modelling of the algorithms under consideration.