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COMPUTING METHOD AND HYBRID ESTIMATION ALGORITHMS WITH THE POSSIBILITY OF THEIR ADAPTATION FOR PROBLEMS OF NAVIGATION DATA PROCESSING

The article performs computing method and estimation algorithms with the use of a hybrid system that is capable to adapt in real time on the basis of wavelets, neuro-, and fuzzy systems for their application in navigation information processing. There were considered possible schemes of designing the nonrecursive and recursive estimation algorithms on the basis of the hybrid estimation system with a possibility of their adaptation. In order to solve the trajectory tracking problem, the adaptive estimation system was presented as an example.
Keywords: estimation, wavelet, neural network, fuzzy and hybrid system, disorder, adaptation.

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