

PROBABILISTIC DESCRIPTION of GLOBAL CLIMATIC FIELDS by WAVE FUNCTI

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Probability density decomposition onto the wave forms is proposed. This method is obvious for quantum mechanics and stochastic equations but nobody applied it to climatology problem solving. Probabilistic approach gives simpler understanding of main relations in climatic system. It will allow to avoid some sophisticated parametrization in the dynamic description. This approach allows to concentrate attention on the key parameters of weather and climate changes and optimize a global observation network. Probabilistic approach allows us to analyze huge archives of accumulated meteorological information and create algorithms for data storage.