

DATA VISUALIZATION SYSTEM FOR INTELLIGENT EXPERT SYSTEM OF ACTIVE PLANT PROTECTION

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Annotation. The development of a data visualization system for an intelligent integrated expert system for active plant protection is described in this article. In addition, the structure of the databases used and the proposed site design are described in the article. The server, which has access to autonomous agro-robots and to the end user, is responsible for data aggregation and processing. The data visualization system is implemented as a website. The developed data visualization system will make it possible to collect data from robots and weather stations, visualize data on the state of crops and weather, and control autonomous robots. The output of data over maps obtained from geographical information systems will make it possible to control the spatial and temporal distribution of the state of crops and weather.

Keywords: data visualization, databases, agricultural monitoring, smart field

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