MODELING OF STIRRING SEED IN QUASI-UNSTEADY OPTICAL FLOW FOR PROCESSING SEEDS

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To study the parameters of air channel and air modes of faucet, consider all the forces that act on seeds and diagrams airflow channels on the cut. They must adhere to turbulent airflow is sufficient to lift and rotation of individual seed.

The purpose of research - to explore options for the air channel and shuffle mode cucumber seeds in a quasi-steady air flow.

Materials and methods of research. The study used the aerodynamic properties of seeds by the free fall in air.

Results. For how many similar problems in the law adopted stepwise distribution of air flow on the cut channel. We have that diagram airflow channel in the interval $0 \leq x \leq b_0$ opyshetsya equation

where m - particle mass; t - time; J - moment of inertia of particles;