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Res. Agr. Eng.

V. Bulgakov, I. Holovach, M. Berezovyy

theory of the cleaning vane with the head of a root crop

New interaction theory of a flexible cleaning vane with the head surface of root crop in the case when the vane installed on the driving shaft makes a plane motion is proposed. Based on the obtained differential equations of the vane motion some new mathematical dependencies, describing the basic parameters of this interaction are given.

Keywords:

flexible cleaning vane; head of root crop; plane motion; differential equation; interaction

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