

INFLUENCE OF THE TRACTOR- ATTACHMENT SYSTEM MASS UPON THE DYNAMIC INTERACTION AT THE HITCH POINT DURING BRAKING

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Abstract

The paper elaborates a mathematical model in order to calculate the forces at the tractor attachment hitch point during braking, by using Lagrange equations. The authors present applications of this method for a tractor-attachment system, for different weights of the tractor-attachment system and for different road conditions.

Keywords

Tractor, Lagrange equations, modeling, braking dynamics.