

CONTRIBUTIONS TO THE DYNAMIC AND MATHEMATICAL MODELING OF THE TRACTOR - IMPLEMENT SYSTEM IN THE WORK OPERATIONS

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Abstract: *The paper addresses the complex problem of coupling tractor main clutches when starting from the spot and coupling of velocity steps (gear shifting), by analysis and simulation of dynamic and mathematical models of various complexities. Dynamic and mathematical modeling of the transmission for clutch coupling process analysis and simulation were closely linked to the experimental research performed by the author over a long period of time.*

Key words: *agricultural tractor, coupling process, dynamic model, mathematical model, computer simulation.*

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