

# KINEMATIC CALCULUS MODELLING OF A HANDLING ARM DRIVING MECHANISM

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**Abstract:** *In this paper, a calculus model of kinematic geometric analysis of a mechanism actuated by a hydraulic cylinder is presented. The unified model of calculus leads, via MATHCAD, to an interactive application of study and projection of some variants of such mechanisms used for driving the mobile arms of positioning the cutter loader with ranging drum, but also used in other practical fields of the applied mechanics.*

**Key words:** *calculus model, kinematics, analysis, CAD, positioning angle, mechanism.*

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