<u>Abstract of Paper Intended for 1996 ADAMS International Users Conference</u>

<u>Applications of MECHANISM/Pro at John Deere</u>

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MECHANISM/Pro provides the capability to build an ADAMS mechanism model from within Pro/ENGINEER including the specification of rigid bodies, joints and motion generators acting on the joints. An optional module allows kinematic problems to be solved while within a Pro/ENGINEER session. More complicated models may be exported to the full version of ADAMS for solution. In either case, the results from the ADAMS analysis can be viewed within Pro/ENGINEER either graphically or numerically. A powerful feature of the interface is the ability to create a kinematic model, solve for the resulting part motions and use Pro/ENGINEER's interference checking features to find potential interferences between parts. This presentation will cover several applications of MECHANISM/Pro within John Deere with special emphasis on its use for interference checking.