

????????, ??????, ?????, ????????????? ???????? (??????? ??? ?????, ???, 15. XI 1949). ??
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(1979/80) ? ?????? ?????? ?????? ? ?????????? ?? ?????????????? ?????????? ? ??????. ?????????? ??
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????????????? – ??????, ?. ??? 2006; ?????????? ?????????????????? ??????, ?. ??? 2006). ?????? ??
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????????????? ?????????? ?????????? ? ?????????? ?????? ?? 1994. ? ??? ?????????? ??? ?????????????? ??
????????????? ?????????? ? ?????????? ?????? – ?????????????? ??? ???-? ? ??????.

????: ??????, „The efficiency coefficient of planetary gear trains at self-propelled working machines", ??, 2005,
54, 3–4; ??????, „Dynamic Solving of Rotational Transformation Matrix Using the D'ALAMBER Principle", *TTEM*
– *Technics Technologies Education Management*, 2012, 7, 3.

?????????: ?????????? ?????????? ? ??????????. ?????????????? ?????????, ?. ??? 2006.

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*????? ?? ?????????? ? 1. ????? III ??? ?????? ?????????????? (2018)