

Systematization of accuracy indices variance when modelling the forming external cylindrical turning process

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Abstract

© Published under licence by IOP Publishing Ltd. The article considers the problem of accuracy deviation systematization for external cylindrical turning, proposed a hierarchical approach to the evaluation of these deviations, an approach to the analysis of nesting accuracy metrics, as well as, the common scheme of identification of deviations of the accuracy metrics for party billets in external machining were proposed.

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Keywords

accuracy metrics hierarchy, batch work pieces, identification of deviations, modeling of the forming process