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REVIEW – METHODS AND MEASUREMENTS OF SPRINGBACK EVALUATION

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ABSTRACT

Review of Springback has been given major attention in sheet metal forming past research with numerous studies being conducted to understand and solve the problems. They range from inventing new designs of tooling, such as flexible and warm tooling, Forming to improving the accuracy of springback prediction by empirical and analytical methods and computer simulation. The survey of the springback prediction by analytical and numerical simulation depends on constitutive equations and material parameter identification. Thus, several studies have been performed extensively on the matter. An attempt to review previous works is presented and their advantages and disadvantages are discussed here. Based on the review, a conclusion is drawn regarding a knowledge gap, which motivates the current research.

Keyword: Review, Springback, Survey, Evaluation, analytical, numerical simulation.

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