Experimental prediction and investigation of spring back in 'V' bending profile process modelling using artificial neural network

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Abstract

Artificial neural network (ANN) is accustomed to foreseeing responses of enormous range of parameters. A few scientists concentrated on the improvement of insightful the spring back and bend force in air bend of semi-legitimate and numerical models. ANN has utilised consistently in making estimated model on the grounds that ANN has high flexibility in fitting of educational accumulation. ANN has some exceptional characteristics, for example, power, adjustment to non-basic disappointment, parallel use. More that, it has ability to describe non-straight associations, joint efforts of procedure parameters. It can make it a promising gadget for showing many amassing issues. In this work is to distinguish the nature of ANN in 'V' bending profile among the specialists of sheet metal bend as the data included and the relations of parameters are very non-straight was contrasting and RSM.

Keywords

artificial neural network, ANN, extensive parameter, logical parameters, 'V'bending process

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