

A REVIEW ON FEATURE RECOGNITION STRATEGIES IN PERTICULAR FOR FEATURES WITH INCLINED SURFACES AND INTERACTING FEATURES OF PRISMATIC PARTS

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Abstract

CAPP represents the interface between Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) and hence is a key link of CIM. Feature recognition is the first and most crucial step in the development of a CAPP system. The available literature reveals that most of the reported approaches of feature recognition concentrate on primitive orthogonal features and not much attention has been paid to non-orthogonal features and interacting features Automatic recognition of interacting features needs more consideration in the developmnet of a CAPP system for prismatic part, since the interaction between primitive features results in various cases of complex features. Further, there is a need to concentrate on the recognition of fetaures with non-orthogonal or curved faces. The proposed work presents some concepts which play a major role in the development of methodology for the automatic recognition of large number of cases of Interacting Features and also features with non otrthogonal and curved faces

Keywords: CIM, CAPP, Feature Recognition and Interacting Features.

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