HYBRID METHOD (ATTRIBUTE AND HINT BASED) FOR FEATURE RECOGNITON USING STEP NEUTRAL FILE

MAHESHKUMAR NIPPANI AND RAVINDRA M. LATHE

PDA College of Engineering
Gulbarga-585102, Karnataka State, India.

Abstract

Automation of production system has become one of the key issues in manufacturing industry and this can be achieved by integrating CAD, CAPP and CAM. The automation of process planning requires the implementation of feature recognition procedures, as it is first and most important activity in the CAPP, since, it leads to automation of subsequent functional elements of CAPP. This paper presents a simple approach to feature recognition method for a selected machining feature. It is expected that the proposed method will be simple to understand, thus making it easier to implement. The method used an approach based on the different characteristics specific to each feature. Features that can be recognized are through hole, sector and wedge of a prismatic part from its CAD model using hints and attributes using STEP neutral file. These features are commonly found in milling process

----