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A CASE STUDY

Customization of CAD/CAM software: a case study of customization of UG/NX 4.0 for modeling couplings using knowledge fusion programming

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ABSTRACT : The CAD/CAM software available in the market are general purpose software. These software are not developed for particular user or a particular task. The process of molding of the software for particular application to suit the specific requirement of the customer is called as customization of software. Various industries use UG/NX to perform the task of solid modeling, assembly modeling and drafting of the various engineering products. Due to the wide variety of applications, couplings of various types are used frequently by many industries. The aim of this work is to customize UG/NX CAD/CAM software, to provide facilities that generate three dimensional part model of Oldham's coupling, and its assembly model using knowledge fusion programming.

KEY WORDS : Knowledge based application (KBA), Application programming interface (API), Knowledge fusion (KF), UG/NX 4.0, Open user interface (UI) styler

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