FEATURE-BASED PRODUCT MODELLING

Author(s): Sayyad Zahid Qamar, Ehud Krol

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Abstract:
A design-with-feature approach has been employed for a high-level representation of mechanical assemblies. Design features, from an assembly viewpoint, have been shown in certain cases, to be different from manufacturing features. Pans have been modelled in terms of basic-bodies and features. Computer implementation of the system has been achieved using a solid model/ing software that incorporates a built-in C-language compiler. Some interesting problems regarding feature-based product representation have been investigated.

For full paper, contact:
Prof Muhammad Masood Rafi
Editor, NED University Journal of Research
Ph: +92 (21) 9261261-8 Ext:2277; Fax: +92 (21) 9261255
Email: NED-Journal@neduet.edu.pk
Website: http://www.neduet.edu.pk/NED-Journal