Abstract

In this paper, we describe how the customization (automation) of design task, in solid modeling with CATIA V5 can be approached, by means of macros (piece of code), working under the windows operating system and with the visual basic as event driven programming. The user has to supply some basic requirements of the coupling and rest of the data is calculated by formulas. Also, the design of coupling is safe or not is checked and then with the help of these parameters, part model of shaft coupling is created. This part model can be used to draft different views of the coupling which can directly be used for manufacturing processes.

References

- Nathan Clark and Tom Schneider, "Working With the CATIA/Visual Basic Interface" Vought Aircraft Industries, Inc.

**Index Terms**

Computer Science  
Emerging Trends in Technology

**Keywords**

Design Of Coupling  
Customization Of Catia V5  
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