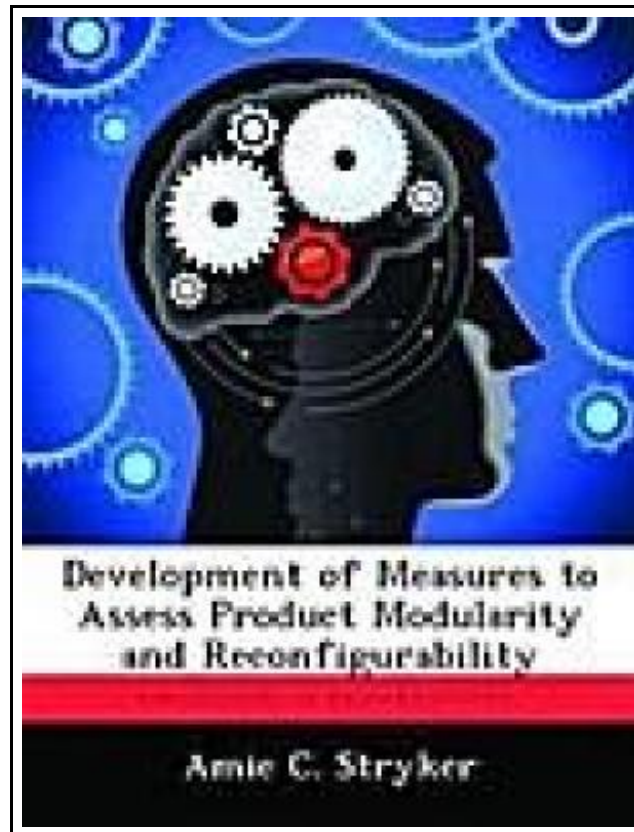


Development of Measures to Assess Product Modularity and Reconfigurability



Filesize: 8.62 MB

Reviews

These types of book is the greatest ebook readily available. I was able to comprehend every little thing using this published e pdf. I realized this pdf from my dad and i encouraged this publication to discover.

(Dr. Porter Mitchell)

DEVELOPMENT OF MEASURES TO ASSESS PRODUCT MODULARITY AND RECONFIGURABILITY



To download **Development of Measures to Assess Product Modularity and Reconfigurability** eBook, remember to follow the web link below and download the file or gain access to other information which are have conjunction with DEVELOPMENT OF MEASURES TO ASSESS PRODUCT MODULARITY AND RECONFIGURABILITY ebook.

Biblioscholar Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x12 mm. This item is printed on demand - Print on Demand Neuware - This dissertation outlines a method and measures for assessing product modularity in terms of coupling, reusability, and flexibility. A five-step analysis process is developed and used to guide the modularity assessment. Defining and decomposing products are performed first. Using the resultant functional model from the first step, the identified functions are mapped to modules in a product in the second step. In the third and fourth steps, module-to-module interfaces are identified and captured in design structure matrices or a tensor plot. Finally, using results from steps 1-4, the Vector Modularity Measure that includes a reconfigurability measure can be calculated. The measures and analysis process are demonstrated using two precision guided munitions in the United States Air Force inventory. After this demonstration, the research focuses on extending the approach to a modular satellite design problem, namely AFRL's Plug-and-Play Satellite (PnPSat) concept for Operationally Responsive Space. Using the resulting analysis, recommendations to the existing PnPSat design to further increase modularity and its derived benefits are given. Lastly, the modularity analysis process and applications are used to draw conclusions and make recommendations for future research to include identifying factors that influence both modularity and the timeline to perform product assembly and check-out. 192 pp. Englisch, Französisch.



Read Development of Measures to Assess Product Modularity and Reconfigurability Online



Download PDF Development of Measures to Assess Product Modularity and Reconfigurability

See Also



[PDF] Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America

Follow the web link beneath to download "Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America" document.

[Download eBook »](#)



[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Follow the web link beneath to download "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" document.

[Download eBook »](#)



[PDF] Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Follow the web link beneath to download "Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age" document.

[Download eBook »](#)



[PDF] A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)

Follow the web link beneath to download "A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)" document.

[Download eBook »](#)



[PDF] It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em

Follow the web link beneath to download "It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em" document.

[Download eBook »](#)



[PDF] Leave It to Me (Ballantine Reader's Circle)

Follow the web link beneath to download "Leave It to Me (Ballantine Reader's Circle)" document.

[Download eBook »](#)