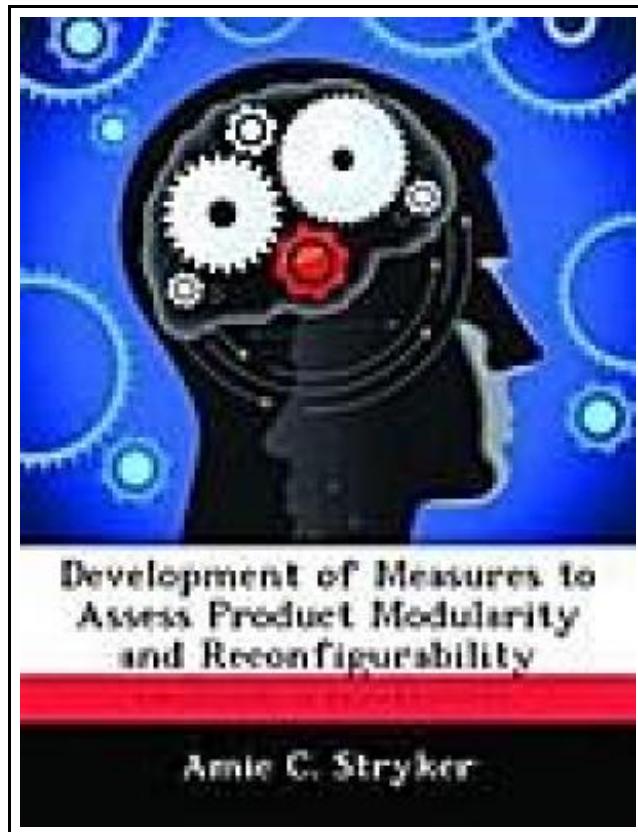


## Development of Measures to Assess Product Modularity and Reconfigurability



Filesize: 1.92 MB

### Reviews

*Certainly, this is actually the greatest job by any author. It is definitely simplified but excitement inside the 50 percent of the book. I am just easily will get a delight of studying a composed pdf.*  
*(Lelia Heidenreich)*

## DEVELOPMENT OF MEASURES TO ASSESS PRODUCT MODULARITY AND RECONFIGURABILITY

[DOWNLOAD PDF](#)

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 (PnP Sat) concept for Operationally Responsive Space. Using the resulting analysis, recommendations to the existing PnP Sat 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](#)

## Other PDFs

---



### **Psychologisches Testverfahren**

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Read ePub »](#)

---



### **JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2006-01-01 Pages: 179 Publisher: the China Pictorial Our book is all...

[Read ePub »](#)

---



### **DK Readers L4: Danger on the Mountain: Scaling the World's Highest Peaks**

DK Publishing (Dorling Kindersley). Paperback / softback. Book Condition: new. BRAND NEW, DK Readers L4: Danger on the Mountain: Scaling the World's Highest Peaks, Andrew Donkin, Linda Martin, From blizzards and glaciers on the world's...

[Read ePub »](#)

---



### **Programming in D**

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Read ePub »](#)

---



### **Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Read ePub »](#)



#### **DK Readers L3: George Washington: Soldier, Hero, President**

DK Publishing. Paperback / softback. Book Condition: new. BRAND NEW, DK Readers L3: George Washington: Soldier, Hero, President, Justine Korman, Ron Fontes, DK Publishing, Justine Korman Fontes, Justine Fontes, This biography of one of the

[Save Document »](#)

---



#### **3-minute Animal Stories: A Special Collection of Short Stories for Bedtime**

Anness Publishing. Paperback. Book Condition: new. BRAND NEW, 3-minute Animal Stories: A Special Collection of Short Stories for Bedtime, Nicola Baxter, Andy Everitt-Stewart, This is a very special selection of children's stories, specially devised to

[Save Document »](#)

---



#### **The Good Girl**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, The Good Girl, Fiona Neill, Scratch the surface of any family hard enough and you'll draw blood.No one can believe it when straight A student Romy

[Save Document »](#)

---



#### **Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird**

Paperback. Book Condition: New. Not Signed; This is a Tinga Tinga tale inspired by traditional stories from Africa. Lion is king of Tinga Tinga but he can't roar! Can his friend Flea help Lion to

[Save Document »](#)

---



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

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video

[Save Document »](#)