Google Drive



Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering)

Steven G. Woods, Alexander E. Quilici, Qiang Yang

Download now

Click here if your download doesn"t start automatically

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering)

Steven G. Woods, Alexander E. Quilici, Qiang Yang

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) Steven G. Woods, Alexander E. Quilici, Qiang Yang
The great challenge of reverse engineering is recovering design information from legacy code: the concept recovery problem. This monograph describes our research effort in attacking this problem. It discusses our theory of how a constraint-based approach to program plan recognition can efficiently extract design concepts from source code, and it details experiments in concept recovery that support our claims of scalability. Importantly, we present our models and experiments in sufficient detail so that they can be easily replicated. This book is intended for researchers or software developers concerned with reverse engineering or reengineering legacy systems. However, it may also interest those researchers who are interested using plan recognition techniques or constraint-based reasoning. We expect the reader to have a reasonable computer science background (i.e., familiarity with the basics of programming and algorithm analysis), but we do not require familiarity with the fields of reverse engineering or artificial intelligence (AI). To this end, we carefully explain all the AI techniques we use. This book is designed as a reference for advanced undergraduate or graduate seminar courses in software engineering, reverse engineering, or reengineering. It can also serve as a supplementary textbook for software engineering-related courses, such as those on program understanding or design recovery, for AI-related courses, such as those on plan recognition or constraint satisfaction, and for courses that cover both topics, such as those on AI applications to software engineering. ORGANIZATION The book comprises eight chapters.

Download Constraint-Based Design Recovery for Software Reen ...pdf

Read Online Constraint-Based Design Recovery for Software Re ...pdf

Download and Read Free Online Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) Steven G. Woods, Alexander E. Quilici, Qiang Yang

---

From reader reviews:

Christopher Rayes:

Do you one among people who can't read gratifying if the sentence chained in the straightway, hold on guys this kind of aren't like that. This Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) book is readable by means of you who hate those straight word style. You will find the details here are arrange for enjoyable looking at experience without leaving actually decrease the knowledge that want to deliver to you. The writer of Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) content conveys thinking easily to understand by a lot of people. The printed and e-book are not different in the information but it just different such as it. So , do you nonetheless thinking Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) is not loveable to be your top list reading book?

Danny Nehring:

The particular book Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) will bring one to the new experience of reading some sort of book. The author style to explain the idea is very unique. In case you try to find new book to study, this book very ideal to you. The book Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) is much recommended to you to learn. You can also get the e-book from the official web site, so you can more readily to read the book.

Anthony Lucas:

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) can be one of your beginning books that are good idea. We all recommend that straight away because this e-book has good vocabulary that may increase your knowledge in terminology, easy to understand, bit entertaining however delivering the information. The copy writer giving his/her effort to place every word into joy arrangement in writing Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) however doesn't forget the main stage, giving the reader the hottest as well as based confirm resource facts that maybe you can be one of it. This great information could drawn you into completely new stage of crucial pondering.

Catherine Taylor:

Many people said that they feel fed up when they reading a e-book. They are directly felt the idea when they get a half regions of the book. You can choose typically the book Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) to make your own personal reading is interesting. Your current skill of reading proficiency is developing when you

like reading. Try to choose basic book to make you enjoy to study it and mingle the idea about book and reading through especially. It is to be very first opinion for you to like to open a book and read it. Beside that the e-book Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) can to be your friend when you're really feel alone and confuse with what must you're doing of that time.

Download and Read Online Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) Steven G. Woods, Alexander E. Quilici, Qiang Yang #JWVUCFTS6MG

Read Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang for online ebook

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang books to read online.

Online Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang ebook PDF download

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang Doc

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang Mobipocket

Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) by Steven G. Woods, Alexander E. Quilici, Qiang Yang EPub