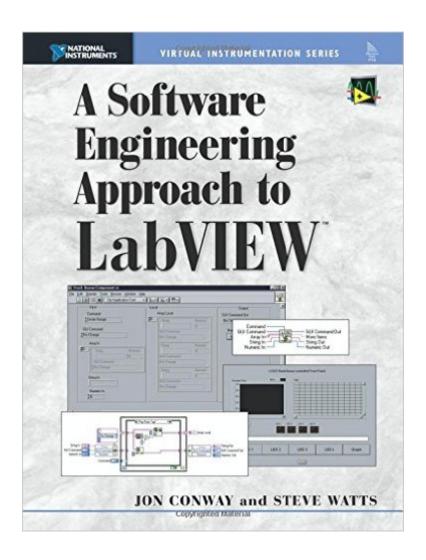
### The book was found

# A Software Engineering Approach To LabVIEW





## Synopsis

A Software Engineering Approach to LabVIEW, by working programmers Jon Conway and Steve Watts, applies for the first time the techniques and principles of software design to LabVIEW programming. The LCOD technique designs flexibility into applications, making them more robust and much more easily adaptable to changes, even in large, industrial applications. Complete with examples and working code.

#### **Book Information**

Paperback: 240 pages

Publisher: Prentice Hall; 1 edition (May 15, 2003)

Language: English

ISBN-10: 0130093653

ISBN-13: 978-0130093653

Product Dimensions: 6.9 x 0.6 x 9.1 inches

Shipping Weight: 13.6 ounces (View shipping rates and policies)

Average Customer Review: 2.8 out of 5 stars Â See all reviews (12 customer reviews)

Best Sellers Rank: #1,620,420 in Books (See Top 100 in Books) #138 in Books > Science &

Math > Experiments, Instruments & Measurement > Scientific Instruments #839 in Books >

Business & Money > Job Hunting & Careers > Vocational Guidance #1690 in Books > Textbooks

> Education > Counseling

#### Customer Reviews

As a self-taught, 10-year veteran LabVIEW developer, reading this book was a huge eye-opener to all the things that you should be doing with a large project. I recently changed jobs to a company that practices RUP, and have been struggling to fit LabVIEW into this development framework. This is the crash-course in software engineering I should have taken in school, but didn't. Some of the chapters cover topics in NI's courses and online documentation (front panel and block diagram styles, state machines, loose-coupling and strong-cohesion, GOOP). However the real jems in this book are:1) how to put together software specifications for proposals, including strong focus on pre-coding tasks such as GUI prototyping for customers and post-coding tasks such as testing and metrics for customer acceptance. Much of the architecture of a project occurs at the proposal/specification stage and this book dedicates a whole chapter to it including an example specification;2) a methodical approach to defining objects ("components" in the language of this book, but GOOP to the rest of us);3) the concept of data flow designs to section up a larger project

into smaller chunks you can get your mind around. The examples are some of the best I have seen in print. The authors have not chosen overly-simplistic examples, nor have they chosen overly-abstract examples. There are plenty of screen shots and "software meat" to look at. The other part of this book that I liked was the "Why LabVIEW Sucks" section, which addresses the "C++/C#/VB/.net/[insert other language here] is so much better than LabVIEW, why should I use LabVIEW" question every LabVIEW developer runs into eventually.

#### Download to continue reading...

A Software Engineering Approach to LabVIEW LabVIEW Digital Signal Processing: and Digital Communications Programming Arduino with LabVIEW Interfacing LabVIEW and Arduino using LINX: Learn in a day Swift: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in ... mining, software, software engineering,) Engineering Software as a Service: An Agile Approach Using Cloud Computing Writing Compilers and Interpreters: A Software Engineering Approach Engineering Software as a Service: An Agile Approach Using Cloud Computing + \$10 AWS Credit Code/Space: Software and Everyday Life (Software Studies) The Software Paradox: The Rise and Fall of the Commercial Software Market Small Memory Software: Patterns for systems with limited memory (Software Patterns Series) More Joel on Software: Further Thoughts on Diverse and Occasionally Related Matters That Will Prove of Interest to Software Developers, Designers, ... or Ill Luck, Work with Them in Some Capacity Enterprise Software Procurement: Tools and Techniques for Successful Software Procurement and Business Process Reengineering for Municipal Executives and Managers Software Testing: Essential Skills for First Time Testers: Software Quality Assurance: From scratch to end How to Write a Software Patent Application: Your Guide to Quickly Writing Your US Software Patent Application Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) The Mythical Man-Month: Essays on Software Engineering, Anniversary Edition (2nd Edition)

**Dmca**