

Software Merging And Slicing

Andreas Zeller, Jens Krinke



Software Merging And Slicing:

Software Merging and Slicing Valdis Andris Bērziņš,1995 Background program slicing Foundations of software merging Merging imperative programs Merging for other languages Bibliography About the Author *Handbook Of Software Engineering And Knowledge Engineering, Vol 1: Fundamentals* Shi-kuo Chang,2001-12-27 This is the first handbook to cover comprehensively both software engineering and knowledge engineering two important fields that have become interwoven in recent years Over 60 international experts have contributed to the book Each chapter has been written in such a way that a practitioner of software engineering and knowledge engineering can easily understand and obtain useful information Each chapter covers one topic and can be read independently of other chapters providing both a general survey of the topic and an in depth exposition of the state of the art Practitioners will find this handbook useful when looking for solutions to practical problems Researchers can use it for quick access to the background current trends and most important references regarding a certain topic The handbook consists of two volumes Volume One covers the basic principles and applications of software engineering and knowledge engineering Volume Two will cover the basic principles and applications of visual and multimedia software engineering knowledge engineering data mining for software knowledge and emerging topics in software engineering and knowledge engineering **A Summary of Research 1995** United States. Naval Postgraduate School, Monterey, CA.,1995 **A Slicing Method For Semantics-Based Change-Merging of Software Prototypes** ,1995 This report outlines a formal method for merging changes in independently developed versions of software prototypes A useful semantics based method which is guaranteed to detect all conflicts is outlined Prototype slicing is used to determine the affected parts of each variation and the preserved part of the base in both variations The affected parts are then combined with the preserved part to complete the merge Our slicing theorem guarantees that this method produces a prototype that correctly exhibits the significant behavior of each of the input versions provided the changes do not conflict Correctness is achieved by comparing the slices of the variation and the merged program with respect to the affected parts of each variation If the slices are the same then the result is correct otherwise a diagnostic message results Preliminary testing shows that this tool will enhance the ability of the prototype developer to deliver a prototype more quickly by allowing more concurrency in the development effort *Scientific and Technical Aerospace Reports* ,1994-08 **Software Systems in Engineering, 1995** Daniel Cooke,1995 *Proceedings of the 3rd International Workshop on Software Configuration Management* Peter H. Feiler,1991 Software Reengineering Robert S. Arnold,1993 Software Software Engineering Software Change Impact Analysis Shawn Bohner,Robert Arnold,1996-07-14 You will gain a healthy respect for the strengths and limitations of impact analysis technology and a solid background that will prove valuable for years to come The book identifies key impact analysis definitions and themes and illustrates the important themes to give you a solid understanding for tackling impact analysis problems *Proceedings of the 1994 Monterey Workshop* ,1994 The Use of

Control-flow and Control Dependence in Software Tools Thomas Ball,1993 *Software Technology Conference* ,1992

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