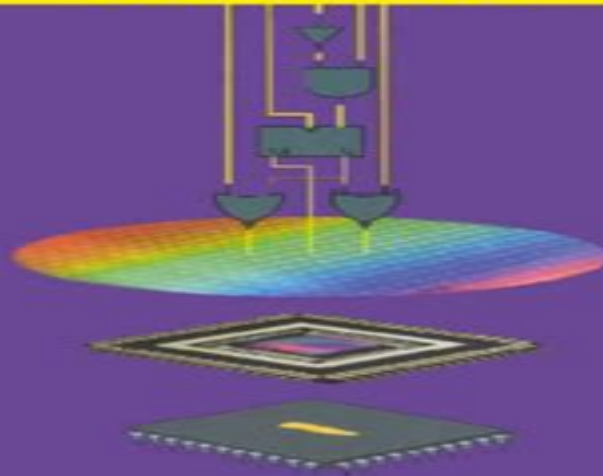


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Physical Compiler™ and PrimeTime®

SECOND EDITION



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issues related to layout which includes clock tree synthesis and back end integration links to layout are also discussed at length Furthermore the book contains in depth discussions on the basis of Synopsys technology libraries and HDL coding styles targeted towards optimal synthesis solution Target audiences for this book are practicing ASIC design engineers and masters level students undertaking advanced VLSI courses on ASIC chip design and DFT techniques Advanced ASIC Chip Synthesis Springer,2012-11-01 *The Art of Timing Closure* Khosrow Golshan,2020-08-03 The Art of Timing Closure is written using a hands on approach to describe advanced concepts and techniques using Multi Mode Multi Corner MMMC for an advanced ASIC design implementation It focuses on the physical design Static Timing Analysis STA formal and physical verification The scripts in this book are based on Cadence Encounter System™ However if the reader uses a different EDA tool that tool s commands are similar to those shown in this book The topics covered are as follows Data Structures Multi Mode Multi Corner Analysis Design Constraints Floorplan and Timing Placement and Timing Clock Tree Synthesis Final Route and Timing Design Signoff Rather than go into great technical depth the author emphasizes short clear descriptions which are implemented by references to authoritative manuscripts It is the goal of this book to capture the essence of physical design and timing analysis at each stage of the physical design and to show the reader that physical design and timing analysis engineering should be viewed as a single area of expertise This book is intended for anyone who is involved in ASIC design implementation starting from physical design to final design signoff Target audiences for this book are practicing ASIC design implementation engineers and students undertaking advanced courses in ASIC design

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problem The techniques and methodologies described can serve as a bridge between specifications that are known to the designer and RTL code that is final outcome reducing significantly the time it takes to convert initial ideas and concepts into right first time silicon Coverage focuses on real problems rather than theoretical concepts with an emphasis on design techniques across various aspects of chip design *The British National Bibliography* Arthur James Wells, 2002

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