Record Nr. UNINA9910144256803321 Autore Maxfield Clive <1957-> Titolo The definitive guide to how computers do math [[electronic resource]]: featuring the virtual DIY calculator / / Clive "Max" Maxfield, Alvin Brown Hoboken, N.J., : Wiley-Interscience, c2005 Pubbl/distr/stampa **ISBN** 1-280-23573-X 9786610235735 0-470-36237-5 0-471-74196-5 0-471-74197-3 Descrizione fisica 1 online resource (469 p.) Classificazione 54.00 Altri autori (Persone) BrownAlvin <1954-> Disciplina 004.0151 004/.01/51 Soggetti Computer science - Mathematics Electronic books. Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references (p. 436-439) and index. Nota di bibliografia Nota di contenuto How Computers Do Math; Contents; Laboratories; Do You Speak Martian?; Chapter 0 Why This Book Is So Cool; Chapter 1 Introducing Binary and Hexadecimal Numbers: Chapter 2 Computers and Calculators; Chapter 3 Subroutines and Other Stuff; Chapter 4 Integer Arithmetic; Chapter 5 Creating an Integer Calculator; Chapter 6 More Functions and Experiments: Interactive Laboratories: Appendix A Installing Your DIY Calculator; Appendix B Addressing Modes; Appendix C Instruction Set Summary; Appendix D Additional Resources; About the Authors; Acknowledgments; Index The Basics of Computer Arithmetic Made Enjoyable and Accessible-with Sommario/riassunto a Special Program Included for Hands-on Learning""The combination of this book and its associated virtual computer is fantastic! Experience over the last fifty years has shown me that there's only one way to truly understand how computers work; and that is to learn one computer and its instruction set-no matter how simple or primitive-from the ground up. Once you fully comprehend how that simple computer

functions, you can easily extrapolate to more complex machines.""-