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|----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Record Nr.              | UNIPARTHENOPE000027125                                                                                                                                                                                              |
|    | Autore                  | Comitato nazionale per l'energia nucleare                                                                                                                                                                           |
|    | Titolo                  | Data on environmental radioactivity collected in Italy, July-December 1963 / Comitato nazionale per l'energia nucleare                                                                                              |
|    | Pubbl/distr/stampa      | Roma : Comitato nazionale per l'energia nucleare, 1964                                                                                                                                                              |
|    | Titolo uniforme         | Data on environmental radioactivity collected in Italy, July-December 1963                                                                                                                                          |
|    | Descrizione fisica      | XVIII, 204 p. ; 30 cm                                                                                                                                                                                               |
|    | Disciplina              | 628                                                                                                                                                                                                                 |
|    | Collocazione            | Armadio M-III° mensola                                                                                                                                                                                              |
|    | Lingua di pubblicazione | Inglese                                                                                                                                                                                                             |
|    | Formato                 | Materiale a stampa                                                                                                                                                                                                  |
|    | Livello bibliografico   | Monografia                                                                                                                                                                                                          |
| 2. | Record Nr.              | UNISOBE600200032572                                                                                                                                                                                                 |
|    | Autore                  | Della Corte, Matteo                                                                                                                                                                                                 |
|    | Titolo                  | La tavoletta cerata di Cecilio Giocondo n. 45 : Memoria letta alla R. Accademia di Archeologia, Lettere ed Arti della Società Reale di Napoli all'adunanza del 2 giugno 1936 dal socio ordinario Matteo della Corte |
|    | Pubbl/distr/stampa      | Napoli, : Arti Grafiche, 1936                                                                                                                                                                                       |
|    | Descrizione fisica      | p. 43-48 : ill. ; 24 cm                                                                                                                                                                                             |
|    | Lingua di pubblicazione | Italiano                                                                                                                                                                                                            |
|    | Formato                 | Materiale a stampa                                                                                                                                                                                                  |
|    | Livello bibliografico   | Monografia                                                                                                                                                                                                          |
|    | Note generali           | Estr. dai Rendiconti della Società Reale di Napoli. Reale Accademia di archeologia, lettere ed arti (1936)                                                                                                          |

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| 3. Record Nr.           | UNINA9910418325303321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Autore                  | Baig Hasan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Titolo                  | Genetic design automation : a practical approach for the analysis, verification and synthesis of genetic logic circuits / / Hasan Baig, Jan Madsen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pubbl/distr/stampa      | Cham, Switzerland : , : Springer, , [2020]<br>©2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ISBN                    | 3-030-52355-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Edizione                | [1st ed. 2020.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Descrizione fisica      | 1 online resource (XVI, 164 p. 158 illus., 148 illus. in color.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Disciplina              | 621.395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Soggetti                | Logic circuits<br>Genetic engineering<br>Natural computation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | Introduction -- Fundamentals of Molecular Biology and Genetic Circuits -- Dynamic Virtual Analyzer and Simulator -- Genetic Circuits Timing Analysis -- Genetic Circuits Logic Analysis -- Technology Mapping of Genetic Circuits -- Parameter Estimation and Sensitivity Analysis -- Learn to program rapidly with graphical programming -- Project 1 -- Stochastic Simulation -- Project 2 -- Parsing SBML -- Project 3 -- Circuit generation with SBOL.                                                                                                                                                                                                                                                                                                                                                                             |
| Sommario/riassunto      | This textbook introduces readers to the recent advances in the emerging field of genetic design automation (GDA). Starting with an introduction and the basic concepts of molecular biology, the authors provide an overview of various genetic design automation tools. The authors then present the DVASim tool (Dynamic Virtual Analyzer and Simulator) which is used for the analysis and verification of genetic logic circuits. This includes methods and algorithms for the timing and threshold value analyses of genetic logic circuits. Next, the book presents the GeneTech tool (A technology mapping tool for genetic circuits) and the methods developed for optimization, synthesis, and technology mapping of genetic circuits. Chapters are followed by exercises which give readers hands-on practice with the tools |

presented. The concepts and algorithms are thoroughly described, enabling readers to improve the tools or use them as a starting point to develop new tools. Both DVASim and GeneTech are available from the developer's website, free of charge. This book is intended for a multidisciplinary audience of computer scientists, engineers and biologists. It provides enough background knowledge for computer scientists and engineers, who usually do not have any background in biology but are interested to get involved in this domain. This book not only presents an accessible basic introduction to molecular biology, it also includes software tools which allow users to perform laboratory experiments in a virtual in-silico environment. This helps newbies to get a quick start in understanding and developing genetic design automation tools. The third part of this book is particular useful for biologists who usually find it difficult to grasp programming and are reluctant to developing computer software. They are introduced to the graphical programming language, LabVIEW, from which they can start developing computer programs rapidly. Readers are further provided with small projects which will help them to start developing GDA tools.

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