



# DNA Computing: New Computing Paradigms (Texts in Theoretical Computer Science. An EATCS Series)

*By Gheorghe Paun, Grzegorz Rozenberg, Arto Salomaa*

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This is the first book on DNA computing, a molecular approach that may revolutionize computing-replacing silicon with carbon and microchips with DNA molecules. The book starts with an introduction to DNA computing, exploring the power of complementarity, the basics of biochemistry, and language and computation theory. It then brings the reader to the most advanced theories develop thus far in this emerging research area.

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## **Editorial Review**

From the Back Cover

This is the first text and monograph about DNA computing, a molecular approach that might revolutionize our thinking and ideas about computing. Although it is too soon to predict whether computer hardware is likely to change from silicon to carbon and from microchips to DNA molecules, the theoretical premises have already been studied extensively. The book starts with an introduction to DNA-related matters, the basics of biochemistry and language and computation theory, and progresses to the advanced mathematical theory of DNA computing.

Apart from being well-known scientists, all three authors are known for their lucid writing. Many of their previous books have become classics in their field, and this book too is sure to follow their example.

## **Users Review**

**From reader reviews:**

**Dorothy Trimm:**

Nowadays reading books be a little more than want or need but also become a life style. This reading addiction give you lot of advantages. The benefits you got of course the knowledge your information inside the book that will improve your knowledge and information. The data you get based on what kind of e-book you read, if you want have more knowledge just go with education books but if you want feel happy read one along with theme for entertaining like comic or novel. The DNA Computing: New Computing Paradigms (Texts in Theoretical Computer Science. An EATCS Series) is kind of book which is giving the reader unforeseen experience.

**Mary Marshall:**

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**Daryl Church:**

This DNA Computing: New Computing Paradigms (Texts in Theoretical Computer Science. An EATCS

Series) is great guide for you because the content that is full of information for you who all always deal with world and also have to make decision every minute. This kind of book reveal it information accurately using great organize word or we can point out no rambling sentences inside. So if you are read the item hurriedly you can have whole facts in it. Doesn't mean it only will give you straight forward sentences but hard core information with beautiful delivering sentences. Having DNA Computing: New Computing Paradigms (Texts in Theoretical Computer Science. An EATCS Series) in your hand like having the world in your arm, information in it is not ridiculous one particular. We can say that no book that offer you world with ten or fifteen minute right but this reserve already do that. So , this really is good reading book. Hello Mr. and Mrs. stressful do you still doubt which?

#### **Ann McLemore:**

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