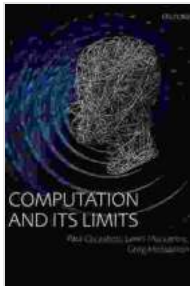


# Computation and Its Limits: Exploring the Boundaries of Computing



## Computation and its Limits by Paul Cockshott

★★★★☆ 4.5 out of 5

Language : English

File size : 6691 KB

Print length : 248 pages

Lending : Enabled

Screen Reader : Supported

Paperback : 148 pages

Item Weight : 7.7 ounces

Dimensions : 6.1 x 0.34 x 9.25 inches



In his groundbreaking new book, *Computation and Its Limits*, Paul Cockshott explores the fundamental limits of computation, from its theoretical foundations to its practical applications.

Cockshott begins by introducing the basic concepts of computation, including Turing machines, algorithms, and complexity theory. He then examines the limits of computation in a variety of areas, including:

- **Artificial intelligence:** Can computers ever truly think for themselves?
- **Physics:** Can computers be used to solve the fundamental problems of physics?
- **Cryptography:** Can computers be used to break unbreakable codes?

- **Finance:** Can computers be used to predict the future of the economy?
- **Biology:** Can computers be used to understand the complexity of life?

Cockshott argues that the limits of computation are not absolute, but rather depend on the specific problem being solved. He shows that, by understanding these limits, we can better design and use computers to solve complex problems.

Computation and Its Limits is an essential read for anyone who wants to understand the future of computing. It is a fascinating and thought-provoking book that will challenge your assumptions about what computers can and cannot do.

### **Praise for Computation and Its Limits**

"A brilliant and provocative book that will revolutionize our understanding of computation." - **Noam Chomsky**

"A must-read for anyone interested in the future of technology." - **Kevin Kelly**

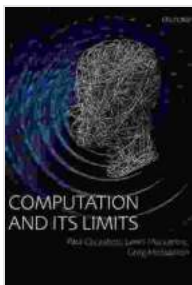
"A groundbreaking work that will shape the debate on the limits of computation for years to come." - **Rodney Brooks**

### **About the Author**

Paul Cockshott is a professor of economics at the University of Glasgow. He is a leading expert on the economics of computation and has published extensively on the limits of computation.

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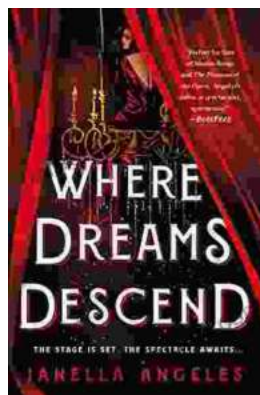
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