

Springer

1st
edition

1st ed. 2018, XV, 255 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-3-662-55564-4

£ 119,99 | CHF 165,50 | 139,99 € |
153,99 € (A) | 149,79 € (D)

Available

Discount group

Science (SC)

Product category

Monograph

Other renditions

Softcover

ISBN 978-3-662-58559-7

Softcover

ISBN 978-3-662-55566-8

Computer Science : Theory of Computation

Turner, Raymond

Computational Artifacts

Towards a Philosophy of Computer Science

- Essential contribution to the philosophy of computer science
- Advances the notion of a technical artifact
- Appeals to computer scientists and philosophers

The philosophy of computer science is concerned with issues that arise from reflection upon the nature and practice of the discipline of computer science. This book presents an approach to the subject that is centered upon the notion of computational artefact. It provides an analysis of the things of computer science as technical artefacts. Seeing them in this way enables the application of the analytical tools and concepts from the philosophy of technology to the technical artefacts of computer science. With this conceptual framework the author examines some of the central philosophical concerns of computer science including the foundations of semantics, the logical role of specification, the nature of correctness, computational ontology and abstraction, formal methods, computational epistemology and explanation, the methodology of computer science, and the nature of computation. The book will be of value to philosophers and computer scientists.

Order online at springer.com/booksellers**Springer Nature Customer Service Center GmbH**

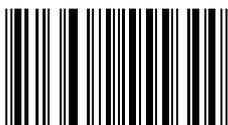
Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com

ISBN 978-3-662-55564-4 / BIC: UY / SPRINGER NATURE: SCI16005

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**