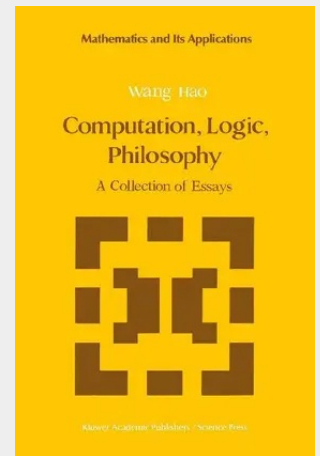


Computation, Logic, Philosophy

A Collection of Essays

~Et moi, si j'avait su comment en revenir, One service mathematics has rendered the je n'y serais point alle.' human race. It has put common sense back Jules Verne where it belongs, on the topmost shelf next to the dusty canister labelled 'discarded non'. The series is divergent; therefore we may be sense'. Eric T. Bell able to do something with it. O. Heavieside Mathematics is a tool for thought. A highly necessary tool in a world where both feedback and non linearities abound. Similarly, all kinds of parts of mathematics serve as tools for other parts and for other sciences. Applying a simple rewriting rule to the quote on the right above one finds such statements as: 'One service topology has rendered mathematical physics.'; 'One service logic has rendered computer science.'; 'One service category theory has rendered mathematics.'. All arguably true. And all statements obtainable this way form part of the raison d'etre of this series.

One. Broad Issues.- 1. On Formalization.- 2. The Concept of Computability [(1953)].- 3. Process and Existence in Mathematics [1961(60)].- 4. Logic, Computation and Philosophy [1971(66)].- Two. Automated Theorem Proving(ATP).- 5. Computer Theorem Proving and Artificial Intelligence [1984(82)].- 6. Proving Theorems by Pattern Recognition, I [1960(59)].- 7. Observations on ATP.- 8. Some Data for ATP.- 9. Proving Theorems by Pattern Recognition, II [1961(60)a].- Three. Decidability and Complexity.- 10. Games, Logic and Computers [1965a].- 11. Dominoes and the AEA Case of the Decision Problem [1963(62)].- 12. Towards Feasible Solutions of the Tautology Problem (with B.Dunhan) [1976(74)].- 13. Ranked Matching and Hospital Interns (with D.A.Martin) [(1977)].- Four. Topics from Theory to Practice.- 14. Logical Fragments Relevant to Computer Science.- 15. Computers and Mathematical Activity.- 16. On Information Processing of the Chinese Language [1979].- The List of the Publications of the Author.



106,99 €

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780792302186

Medium: Buch

ISBN: 978-0-7923-0218-6

Verlag: Springer

Erscheinungstermin: 31.01.1991

Sprache(n): Englisch

Auflage: 1990

Serie: Mathematics and its Applications

Produktform: Gebunden

Gewicht: 844 g

Seiten: 373

Format (B x H): 160 x 241 mm

