

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNINA9910420923703321  |
| Titolo                  | Structures Mères: Semantics, Mathematics, and Cognitive Science // edited by Alberto Peruzzi, Silvano Zipoli Caiani  |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020  |
| ISBN                    | 9783030518219<br>3030518213  |
| Edizione                | [1st ed. 2020.]  |
| Descrizione fisica      | 1 online resource (XI, 185 p. 18 illus., 8 illus. in color.)   |
| Collana                 | Studies in Applied Philosophy, Epistemology and Rational Ethics, , 2192-6263 ; ; 57  |
| Disciplina              | 510.1  |
| Soggetti                | Logic<br>Semiotics<br>Cognitive psychology<br>Proof theory<br>Cognitive Psychology<br>Proof Theory and Constructive Mathematics  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di contenuto       | Chapter 1: Reflections on Bourbaki's Notion of "Structure" and Categories -- Chapter 2: Bourbaki and Foundations -- Chapter 3: Forms of Structuralism: Bourbaki and the Philosophers -- Chapter 4: Ladders of sets and isomorphisms The shortcomings of Bourbaki's notion of "structure" -- Chapter 5: The difficulty of neutrality A graph-theoretical solution -- Chapter 6: The wrapped dimension of Bourbaki's structures mères.   |
| Sommario/riassunto      | This book reports on cutting-edge concepts related to Bourbaki's notion of structures mères. It merges perspectives from logic, philosophy, linguistics and cognitive science, suggesting how they can be combined with Bourbaki's mathematical structuralism in order to solve foundational, ontological and epistemological problems using a novel category-theoretic approach. By offering a comprehensive account of Bourbaki's structuralism and answers to several important questions that have arisen in connection with it, the book provides |

readers with a unique source of information and inspiration for future  
research on this topic.

---