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| Titolo                  | Notes on infinite permutation groups. // M. Bhattacharjee [and three others]   |
| Pubbl/distr/stampa      | Berlin, Germany : , : Springer-Verlag, , [1998]<br>©1998   |
| ISBN                    | 3-540-49813-3  |
| Edizione                | [1st ed. 1998.]  |
| Descrizione fisica      | 1 online resource (XIV, 206 p.)  |
| Collana                 | Lecture Notes in Mathematics ; ; 1698  |
| Classificazione         | 20B07  |
| Disciplina              | 512.2  |
| Soggetti                | Mathematics<br>Group theory<br>Permutation groups  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph  |
| Nota di contenuto       | Some group theory -- Groups acting on sets -- Transitivity -- Primitivity -- Suborbits and orbitals -- More about symmetric groups -- Linear groups -- Wreath products -- Rational numbers -- Jordan groups -- Examples of Jordan groups -- Relations related to betweenness -- Classification theorems -- Homogeneous structures -- The Hrushovski construction -- Applications and open questions.   |
| Sommario/riassunto      | The book, based on a course of lectures by the authors at the Indian Institute of Technology, Guwahati, covers aspects of infinite permutation groups theory and some related model-theoretic constructions. There is basic background in both group theory and the necessary model theory, and the following topics are covered: transitivity and primitivity; symmetric groups and general linear groups; wreath products; automorphism groups of various treelike objects; model-theoretic constructions for building structures with rich automorphism groups, the structure and classification of infinite primitive Jordan groups (surveyed); applications and open problems. With many examples and exercises, the book is intended primarily for a beginning graduate student in group theory. |