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   Titolo             Quilts: Central Extensions, Braid Actions, and Finite Groups / / by Tim Hsu

   Pubbl/distr/stampa  Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000

   ISBN               3-540-45580-9

   Edizione           [1st ed. 2000.]

   Descrizione fisica  1 online resource (XIV, 190 p.)

   Collana            Lecture Notes in Mathematics, , 1617-9692 ; ; 1731

   Disciplina         512.2

   Soggetti           Group theory
                      Group Theory and Generalizations

   Lingua di pubblicazione  Inglese

   Formato            Materiale a stampa

   Livello bibliografico  Monografia

   Note generali      Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto  Background material -- Quilts -- Norton systems and their quilts -- Examples of quilts -- The combinatorics of quilts -- Classical interpretations of quilts -- Presentations and the structure problem -- Small snug quilts -- Monodromy systems -- Quilts for groups involved in the monster -- Some results on the structure problem -- Further directions.

   Sommario/riassunto  Quilts are 2-complexes used to analyze actions and subgroups of the 3-string braid group and similar groups. This monograph establishes the fundamentals of quilts and discusses connections with central extensions, braid actions, and finite groups. Most results have not previously appeared in a widely available form, and many results appear in print for the first time. This monograph is accessible to graduate students, as a substantial amount of background material is included. The methods and results may be relevant to researchers interested in infinite groups, moonshine, central extensions, triangle groups, dessins d'enfants, and monodromy actions of braid groups.