

**Kobayashi, Shoshichi****Transformation groups in differential geometry.** (English) [Zbl 0246.53031](#)*Ergebnisse der Mathematik und ihrer Grenzgebiete.* Band 70. Berlin-Heidelberg-New York: Springer-Verlag. VIII, 182 p. Cloth DM 52.00; \$ 16.50 (1972).For a scan of this review see the [web version](#).**MSC:**

- [53C20](#) Global Riemannian geometry, including pinching
- [53C10](#)  $G$ -structures
- [53C55](#) Global differential geometry of Hermitian and Kählerian manifolds
- [32M05](#) Complex Lie groups, group actions on complex spaces
- [32J25](#) Transcendental methods of algebraic geometry (complex-analytic aspects)
- [57S15](#) Compact Lie groups of differentiable transformations
- [53C15](#) General geometric structures on manifolds (almost complex, almost product structures, etc.)
- [53A10](#) Minimal surfaces in differential geometry, surfaces with prescribed mean curvature
- [53A20](#) Projective differential geometry
- [53A30](#) Conformal differential geometry (MSC2010)
- [32Q45](#) Hyperbolic and Kobayashi hyperbolic manifolds
- [58D05](#) Groups of diffeomorphisms and homeomorphisms as manifolds

Cited in **9** Reviews  
Cited in **387** Documents