

Pacific Journal of Mathematics



IN THIS ISSUE—

- R. H. Bruck, *Loops with transitive automorphism groups*..... 481
- P. R. Garabedian, *A partial differential equation arising in conformal mapping*..... 485
- Magnus R. Hestenes, *Applications of the theory of quadratic forms in Hilbert space to the calculus of variations*..... 525
- Sze-Tsen Hu, *On the realizability of homotopy groups and their operations*..... 583

Vol. 1, No. 4

December, 1951