
List of Publications of Professor Gu Chaohao

Papers

1. New treatment of geometries in a space of K -spreads, *Science Record* 3 (1950), 41-51.
2. On the descriptive geometry of a space of K -spreads, *Science Record* 3 (1950), 53-59.
3. A note on bounded Schlicht functions, *Science Record* 3 (1950), 157-159.
4. On the theory of subspaces in a space of K -spreads, *Science Record* 4 (1951), 31-36.
5. Theory of spaces of K -spreads represented by implicit functions (in Chinese), *Scientia Sinica* 2 (1951), 1-19.
6. On the theory of subspaces in spaces of K -spreads (in Chinese), *Scientia Sinica* 2 (1951), 165-178.
7. On the first and second variation of the volume integral in a space with multi-dimensional measure (in Chinese), (with Su Buchin), *Acta Math. Sinica* (1952), 231-245.
8. The abscissa of uniform convergence of a Laplace integral, (with M.I. Yuh and K.K. Chen), *Jour. of London Math. Society* (1952), 356-359.
9. A solution of the problem of stability for nonlinear equations of second order (in Chinese), *Acta Math. Sinica* (1954), 347-357.
10. On the embedding of the spaces of paths (in Chinese), *Acta Math. Sinica* (1955), 369-381.
11. On the parallel displacement of area elements and nonholonomic manifolds (in Chinese), *Acta Math. Sinica* (1955), 383-392.
12. On the system of paths on surfaces in projective space (in Chinese), *Jour. of Fudan Univ.* (1955), 42-45.
13. The curves and surfaces of discontinuity of the solutions to the wave equation (in Chinese), *Jour. of Fudan Univ.* (1955), 55-57.
14. Embedding of Finsler spaces into Minkowski spaces (in Chinese), *Acta Math. Sinica* (1956), 215-232.
15. Lie derivatives of higher order and invariant groups of nonlinear geometric objectives (in Chinese), *Jour. of Fudan Univ.* (1956), 29-34.
16. On embedding of affinely connected spaces (in Chinese), *Acta Math. Sinica* (1956), 464-471.
17. On the isomorphism of geometrical objects (in Chinese), *Jour. of Fudan Univ.* (1956), 89-92.

18. Pairs of connections and integral manifolds of partial differential equations of second order (I) (in Chinese), *Acta Math. Sinica* (1956), 153–162.
19. Pairs of connections and integral manifolds of partial differential equations of second order (II) (in Chinese), *Acta Math. Sinica* (1956), 163–169.
20. Pairs of connections and integral manifolds of partial differential equations of second order (III) (in Chinese), *Acta Math. Sinica* (1956), 426–432.
21. A generalization of totally geodesic spaces (in Chinese), *Jour. of Fudan Univ.* (1957), 111–116.
22. Embedding of some special affinely connected spaces (in Chinese), *Jour. of Fudan Univ.* (1957), 357–361.
23. On Finsler spaces admitting a group of motions of the greatest order, *Science Record (New series)* 1 (1957), 21–24.
24. On the global embedding of Finsler spaces (in Chinese), *Acta Math. Sinica* (1958), 272–275.
25. On the global embedding of affinely connected space (in Chinese), *Science Record (New series)* 2 (1958), 7–9.
26. On the reducibility of the infinite continuous group of E. Cartan (in Russian), *Izv. Vyssh. Uchebn. Zaved. Mat.* 4 (1958), 60–66.
27. Semi-reducible homogeneous Riemannian spaces (in Russian), *Dokl. Akad. Nauk. USSR* (1958), 1183–1186.
28. Some classes of homogeneous Riemannian spaces (in Russian), *Dokl. Akad. Nauk. USSR* (1958), 171–174.
29. Homogeneous Riemannian spaces with invariant vector fields (in Chinese), *Jour. of Fudan Univ.* (1959), No. 4, 2–25; (1960), No.1, 19–37.
30. On the group of motions for spaces with symplectic measure (in Russian), *Nauk. Dokl. Vyssh. Shkoli, Phys. Mat. Nauk.* 2 (1959).
31. Some general properties of the pseudogroups of transformations and applications to differential geometry (in Russian), *Dissertation for the degree of doctor of science at the Moskow State University* (1959).
32. The developments of differential geometry in China for the past ten years, *Scientia Sinica* 8 (1959), 1238–1242.
33. Cauchy problem for a class of quasilinear partial differential equations in several independent variables (in Chinese), *Collection of mathematical papers of Fudan Univ.* (1960), 40–45.
34. Cauchy problem for hyperbolic system with discontinuous initial data (in Chinese), (with Li Tatsien and Hou Zongyi), *Collection of Science and Technology Papers*, Shanghai (1960), 55–65.
35. Cauchy problem for typical hyperbolic systems with discontinuous initial data (in Chinese), (with the group of nonlinear PDE), *Collection of mathematical papers of Fudan Univ.* (1960), 1–16.