

Bibliography

1. R. Abraham, *Lectures of Smale on differential topology*, Columbia University, New York, 1962, Lecture Notes.
2. R. Abraham and J. Marsden, *Foundations of mechanics*, Addison-Wesley, 1978.
3. A. Alekseev, A. Malkin, and E. Meinrenken, *Lie group valued moment maps*, J. Differ. Geom. **48** (1998), 445–495.
4. D. Alekseevsky, A. Kriegl, M. Losik, and P.W. Michor, *The Riemannian geometry of orbit spaces. The metric, geodesics, and integrable systems*, Publicationes Mathematicae **62** (2003), 247–276.
5. D. Alekseevsky and P. Michor, *Differential geometry of $\mathfrak{g}$ -manifolds*, Diff. Geom. Appl. **5** (1995), 371–403.
6. D. Alekseevsky, P.W. Michor, and W.A.F. Ruppert, *Extensions of Lie algebras*, math.DG/0005042, 2000.
7. ———, *Extensions of super Lie algebras*, J. Lie Theory **15** (2005), 125–134, math.QA/0101190.
8. R. Almeida and P. Molino, *Suites d'atiyah et feuilletages transversalement complets*, C. R. Acad. Sci. Paris **300**, Ser. 1 (1985), 13–15.
9. W. Ambrose and I.M. Singer, *A theorem on holonomy*, Trans. Amer. Math. Soc. **75** (1953), 428–443.
10. V.I. Arnold, *Mathematical methods of classical mechanics*, Springer-Verlag, New York, 1978.
11. M. Atiyah, R. Bott, and V.K. Patodi, *On the heat equation and the index theorem*, Inventiones Math. **19** (1973), 279–330.
12. J.A. Azcárraga and J.M. Izquierdo, *Lie groups, Lie algebras, cohomology and some applications in physics*, Cambridge University Press, Cambridge, UK, 1995, Cambridge Monographs on Mathematical Physics.
13. O. Babelon and M. Talon, *The symplectic structure of the spin Calogero model*, Phys. Lett. A **236**, 5–6 (1997), 462–468, arXiv:q-alg/9707011.
14. ———, *The symplectic structure of rational Lax pair*, Phys. Lett. A **257**, 3–4 (1999), 139–144.

15. R. Baer, *Erweiterungen von Gruppen und ihren Isomorphismen*, Math. Zeit. **38** (1934), 375–416.
16. L. Bates and E. Lerman, *Proper group actions and symplectic stratified spaces*, Pacific J. Math. **181** (1997), 201–229.
17. A.L. Besse, *Einstein manifolds*, Springer-Verlag, Berlin, 1987, Ergebnisse der Mathematik, 3. Folge, Band 10.
18. E. Bierstone and P.D. Milman, *Composite differentiable functions*, Ann. of Math. **116** (1982), 541–558.
19. E. Bierstone, P.D. Milman, and W. Pawłucki, *Composite differentiable functions*, Duke Math. J. **83** (1996), 607–620.
20. J. Boman, *Differentiability of a function and of its composition with a function of one variable*, Math. Scand. **20** (1967), 249–268.
21. B. Boos and D.D. Bleeker, *Topology and analysis*, Springer-Verlag, New York, 1985 (1977).
22. R. Bott, *Non-degenerate critical manifolds*, Ann. Math. **60** (1954), 248–261.
23. R. Bott and H. Samelson, *Applications of the theory of Morse to symmetric spaces*, Amer. J. Math. **80** (1958), 964–1029.
24. J.-P. Bourguignon, *Une stratification de l'espace des structures Riemanniens*, Compositio Mathematica **30** (1975), 1–41.
25. G.E. Bredon, *Introduction to compact transformation groups*, Academic Press, New York, 1972.
26. T. Bröcker and K. Jänich, *Einführung in die Differentialtopologie*, Springer-Verlag, Heidelberg, 1973.
27. K.S. Brown, *Cohomology of groups*, Springer-Verlag, New-York, 1982, Graduate Texts 87.
28. H. Bursztyn, M. Crainic, A. Weinstein, and C. Zhu, *Integration of twisted Dirac brackets*, Duke Math. J. **123** (2004), 549–607.
29. H. Bursztyn and O. Radko, *Gauge equivalence of Dirac structures*, Ann. Inst. Fourier **53** (2003), 309–337.
30. A. Cabras and A. M. Vinogradov, *Extensions of the Poisson bracket to differential forms and multi-vector fields*, J. Geom. Physics **9** (1992), 75–100.
31. E. Calabi, *Sur les extensions des groupes topologiques*, Brioschi Annali di Mat. Pura e Appl. Ser 4 **32** (1951), 295–370.
32. A. Cap and J. Slovak, *Parabolic geometries I: Background and general theory*, AMS, Providence, 2009, Surveys and Monographs.
33. É. Cartan, *Leçons sur la géométrie des espaces de riemann*, Gauthiers-Villars, Paris, 1928.
34. R. Cohen, *Immersions of manifolds*, Proc. Nat. Acad. Sci. USA **79** (1982), 3390–3392.
35. L. Conlon, *Variational completeness and K-transversal domains*, J. Differential Geom. **5** (1971), 135–147.
36. ———, *A class of variationally complete representations*, J. Differential Geom. **7** (1972), 149–160.
37. T. Courant, *Dirac manifolds*, Trans. AMS **319** (1990), 631–661.
38. J. Dadok, *Polar coordinates induced by actions of compact Lie groups*, TAMS **288** (1985), 125–137.

39. J. Dadok and V. Kac, *Polar representations*, J. of Algebra **92** (1985), 504–524.
40. M. Davis, *Smooth g -manifolds as collections of fiber bundles*, Pac. J. Math. **77** (1978), 315–363.
41. J. Dieudonne, *Foundations of modern analysis I*, Academic Press, 1960.
42. S. Donaldson, *An application of gauge theory to the topology of 4-manifolds*, J. Diff. Geo. **18** (1983), 269–316.
43. J.J. Duistermaat and J.A.C. Kolk, *Lie groups*, Springer-Verlag, 1999.
44. J.L. Dupont, *Curvature and characteristic classes*, Lecture Notes in Mathematics, vol. 640, Springer-Verlag, Berlin, 1978.
45. D. Ebin, *The manifold of Riemannian metrics*, Proc. Symp. Pure Math. AMS **15** (1970), 11–40.
46. D.G. Ebin and J.E. Marsden, *Groups of diffeomorphisms and the motion of an incompressible fluid*, Ann. Math. **92** (1970), 102–163.
47. D.J. Eck, *Gauge-natural bundles and generalized gauge theories*, Mem. Amer. Math. Soc. **247** (1981), vi + 48.
48. ———, *Product preserving functors on smooth manifolds*, J. Pure and Applied Algebra **42** (1986), 133–140.
49. J. Eells, *A setting for global analysis*, Bull AMS **72** (1966), 571–807.
50. J. Eells and L. Lemaire, *A report on harmonic maps*, Bull. London Math. Soc. **10** (1978), 1–68.
51. J. Eells and L. Lemaire, *Selected topics in harmonic mappings*, vol. 50, Am. Math. Soc., Providence, 1983.
52. ———, *Another report on harmonic maps*, Bull. London Math. Soc. **20** (1988), 385–524.
53. C. Ehresmann, *Les prolongements d'une variété différentiable I, II, III*, C. R. Acad. Sci. Paris **233** (1951), I: 598–600, II: 777–779, III: 1081–1083.
54. ———, *Gattungen von Lokalen Strukturen*, Jahresberichte der Deutschen Math. Ver. **60-2** (1957), 49–77.
55. S. Eilenberg, *Foundations of fiber bundles*, University of Chicago, Summer 1957.
56. S. Eilenberg and S. MacLane, *Cohomology theory in abstract groups, II. Group extensions with non-abelian kernel*, Ann. Math. (2) **48** (1947), 326–341.
57. T. Eisenkölbl, Personal communication, 2002.
58. C. Emmrich and H. Römer, *Orbifolds as configuration spaces of systems with gauge-symmetries*, Commun. Math. Phys. **129** (1990), 69–94.
59. D.B.A. Epstein, *Natural tensors on Riemannian manifolds*, J. Diff. Geom. **10**, 631–645.
60. D.B.A. Epstein and W.P. Thurston, *Transformation groups and natural bundles*, Proc. London Math. Soc. **38** (1979), 219–236.
61. D.S. Freed and D. Groisser, *The basic geometry of the manifold of Riemannian metrics and of its quotient by the diffeomorphism group*, Michigan Math. J. **36** (1989), 323–344.
62. M.H. Freedman, *The topology of four dimensional manifolds*, J. Diff. Geo. **17** (1982), 357–454.
63. M.H. Freedman and F. Luo, *Selected applications of geometry to low-dimensional topology*, University Lecture Series, vol. 1, Amer. Math. Soc., 1989.

64. A. Frölicher and A. Kriegl, *Linear spaces and differentiation theory*, J. Wiley, Chichester, 1988, Pure and Applied Mathematics.
65. A. Frölicher and A. Nijenhuis, *Theory of vector valued differential forms. Part I*, Indagationes Math **18** (1956), 338–359.
66. P. Garcia Pérez, *Gauge algebras, curvature, and symplectic structure*, J. Diff. Geom. **12** (1977), 209–227.
67. I.M. Gelfand and I.Ya. Dorfman, *Hamiltonian operators and the classical Yang-Baxter equation*, Funct. Anal. Appl. **16** (1982), 241–248.
68. F. Gesztesy and H. Holden, *Soliton equations and their algebro-geometric solutions, volume I: $(1+1)$ -dimensional continuous models*, Cambridge Studies in Advanced Mathematics, vol. 79, Cambridge University Press, Cambridge, 2003.
69. F. Gesztesy, H. Holden, J. Michor, and G. Teschl, *Soliton equations and their algebro-geometric solutions, volume II: $(1+1)$ -dimensional discrete models*, Cambridge Studies in Advanced Mathematics, Cambridge University Press, Cambridge, 2008.
70. O. Gil-Medrano and P.W. Michor, *The Riemannian manifold of all Riemannian metrics*, Quarterly J. Math. Oxford **42** (1991), 183–202.
71. O. Gil-Medrano, P.W. Michor, and M. Neuwirther, *Pseudoriemannian metrics on spaces of bilinear structures*, Quarterly J. Math. Oxford **43** (1992), 201–221.
72. P.B. Gilkey, *The spectral geometry of a Riemannian manifold*, J. Diff. Geom. **10** (1975), 601–618.
73. ———, *Invariance theory, the heat equation and the index theorem*, Publish or Perish, Wilmington, Del. (USA), 1984.
74. J. Giraud, *Cohomologie non abélienne*, Springer-Verlag, Berlin, 1971, Grundlehren 179.
75. G. Glaeser, *Fonctions composées différentiables*, Ann. of Math. **77** (1963), 193–209.
76. Yu. Gliklikh, *Global analysis in mathematical physics. Geometric and stochastic methods*, Springer-Verlag, New York, 1997, Applied Mathematical Sciences.
77. R. Godement, *Topologie algébrique et théorie des faisceaux*, Hermann, Paris, 1958.
78. R. Gompf, *Three exotic $\mathbb{R}^4$'s and other anomalies*, J. Diff. Geo. **18** (1983), 317–328.
79. J. Grabowski, *$\mathbb{Z}$ -graded extensions of Poisson brackets*, Rev. Math. Phys. **9** (1997), no. 1, 1–27.
80. W. Greub, S. Halperin, and R. Vanstone, *Connections, curvature, and cohomology I, II, III*, Academic Press, New York and London, 1972, 1973, 1976.
81. J. Hadamard, *Les surfaces à courbures opposées et leurs lignes géodésiques*, J. Math. Pures Appl. **4** (1898), 27–73.
82. S. Helgason, *Differential geometry, lie groups, and symmetric spaces*, Graduate Studies in Mathematics, vol. 34, AMS, Providence, 1978, 2001.
83. P.J. Hilton and U. Stambach, *A course in homological algebra*, Graduate Texts in Mathematics, vol. 4, Springer-Verlag, New York, 1971, 1997.
84. M.W. Hirsch, *Differential topology*, Springer-Verlag, New York, 1976, GTM 33.
85. S. Hochgerner, *Spinning particles in a Yang-Mills field*, math.SG/0602062.
86. ———, *Singular cotangent bundle reduction & spin Calogero-Moser systems*, Diff. Geom. Appl. (2008), math.SG/0411068.
87. S. Hochgerner and A. Rainer, *Singular Poisson reduction of cotangent bundles*, Rev. Mat. Complut. **19** (2006), 431–466, math.SG/0508455.

88. G. Hochschild, *Group extensions of Lie groups I, II*, Ann Math. **54** (1951), 96–109; 537–551.
89. ———, *Cohomology classes of finite type and finite dimensional kernels for Lie algebras*, Am. J. Math. **76** (1954), 763–778.
90. ———, *The structure of Lie groups*, Holden Day, San Francisco, 1965.
91. G.P. Hochschild and J.-P. Serre, *Cohomology of group extensions*, Trans. AMS **74** (1953), 110–134.
92. ———, *Cohomology of Lie algebras*, Ann. Math. **57** (1953), 591–603.
93. O. Hölder, *Die Gruppen der Ordnungen p^3 , pq^2 , pqr , p^4* , Mathematische Annalen **43** (1893), 301–412.
94. L. Hörmander, *The analysis of linear partial differential operators I*, Springer-Verlag, Berlin, 1983, Grundlehren 256.
95. J.E. Humphreys, *Reflection groups and Coxeter groups*, Cambridge Studies in Advanced Mathematics, vol. 29, Cambridge University Press, Cambridge, 1990, 1992.
96. N. Jacobson, *Lie algebras*, J. Wiley-Interscience, 1962.
97. H. Joris, *Une c^∞ -application non-immersive qui possède la propriété universelle des immersions*, Archiv Math. **39** (1982), 269–277.
98. H. Joris and E. Preissmann, *Germes pseudo-immersifs de $(\mathbb{R}^n, 0)$ dans $(\mathbb{R}^n, 0)$* , C. R. Acad. Sci., Paris, Ser. I **305** (1987), 261–263.
99. ———, *Pseudo-immersions*, Ann. Inst. Fourier **37** (1987), 195–221.
100. G. Kainz, A. Kriegl, and P.W. Michor, *c^∞ -algebras from the functional analytic viewpoint*, J. Pure Appl. Algebra **46** (1987), 89–107.
101. G. Kainz and P.W. Michor, *Natural transformations in differential geometry*, Czechoslovak Math. J. **37** (1987), 584–607.
102. F. Kamber and P.W. Michor, *Completing Lie algebra actions to Lie group actions*, Electron. Res. Announc. Amer. Math. Soc. **10** (2004), 1–10.
103. D. Kazhdan, B. Kostant, and S. Sternberg, *Hamiltonian group actions and dynamical systems of Calogero type*, Comm. Pure Appl. Math. **31** (1978), 481–501.
104. R. Kerner, *Generalization of the Kaluza-Klein theory for an arbitrary non-Abelian group*, Ann. Inst. Henri Poincaré **9** (1968), 143–152.
105. A.A. Kirillov, *Elements of the theory of representations*, Springer-Verlag, Berlin, 1976.
106. S. Kobayashi, *Riemannian manifolds without conjugate points*, Ann. Mat. Pura Appl. **53** (1961), 149–155.
107. S. Kobayashi and K. Nomizu, *Foundations of differential geometry. I, II*, J. Wiley – Interscience, I: 1963, II: 1969.
108. I. Kolář, P.W. Michor, and J. Slovák, *Natural operations in differential geometry*, Springer-Verlag, Berlin, Heidelberg, New York, 1993.
109. Y. Kosmann-Schwarzbach, *Derived brackets*, Lett. Math. Phys. **69** (2004), 61–87.
110. B. Kostant, *Orbits, symplectic structures, and representation theory*, p. 71, Nippon Hyoronsha, Tokyo, 1966.
111. J.L. Koszul, *Sur certains groupes de transformations de Lie*, pp. 137–141, Centre National de la Recherche Scientifique, Paris, 1953.
112. ———, *Crochet de Schouten-Nijenhuis et cohomologie*, Astérisque (1985), no. Numéro Hors Serie, 257–271, The mathematical heritage of Élie Cartan (Lyon, 1984).

113. A. Kriegl and P.W. Michor, *The convenient setting for global analysis*, Surveys and Monographs, vol. 53, AMS, Providence, 1997.
114. J. Kubarski, *About Stefan's definition of a foliation with singularities: a reduction of the axioms*, Bull. Soc. Math. France **118** (1990), 391–394.
115. M. Kummer, *On the construction of the reduced phase space of a Hamiltonian system with symmetry*, Univ. Math. J. **30** (1981), pp. 281–291.
116. H. Lawson and M.L. Michelsohn, *Spin geometry*, Princeton University Press, Princeton, 1989.
117. P. Lecomte, *Sur la suite exacte canonique associée à un fibré principal*, Bul. Soc. Math. France **13** (1985), 259–271.
118. ———, *On some sequence of graded Lie algebras associated to manifolds*, Ann. Global Analysis Geom. **12** (1994), 183–192.
119. P. Lecomte, P.W. Michor, and H. Schicketanz, *The multigraded Nijenhuis-Richardson algebra, its universal property and application*, J. Pure Appl. Algebra **77** (1992), 87–102.
120. P. Lecomte and C. Roger, *Sur les déformations des algèbres de courants de type réductif*, C. R. Acad. Sci. Paris, I **303** (1986), 807–810.
121. E. Lerman, R. Montgomery, and R. Sjamaar, *Examples of singular reduction*, London Math. Soc. Lecture Note Ser., vol. 192, pp. 127–155, Cambridge Univ. Press, Cambridge, 1993.
122. P. Libermann and C.M. Marle, *Symplectic geometry and analytical mechanics*, D. Reidel, Dordrecht, 1987.
123. A. Lichnerowicz, *Les variétés de Poisson et leur algèbres de Lie associées*, J. Diff. Geom. **12** (1977), 253–300.
124. S. Lie, *Theorie der Transformationsgruppen. Zweiter Abschnitt*, Teubner, Leipzig, 1890.
125. D. Luna, *Fonctions différentiables invariantes sous l'opération d'un groupe réductif*, Ann. Inst. Fourier **26** (1976), 33–49.
126. K. Mackenzie, *Lie groupoids and Lie algebroids in differential geometry*, London Math. Soc. Lecture Notes Ser., vol. 124, Cambridge Univ. Press, Cambridge, 1987.
127. G.W. Mackey, *Induced representations of locally compact groups I*, Ann. Math. **55** (1952), 101–139.
128. ———, *Les ensembles boréliens et les extensions des groupes*, J. Math. **36** (1957), 171–178.
129. F. Magri and C. Morosi, *A geometrical characterization of integrable Hamiltonian systems through the theory of Poisson-Nijenhuis manifolds*, Quaderno, Univ. Milano **19** (1984).
130. B. Malgrange, *Ideals of differentiable functions*, Oxford Univ. Press, 1966.
131. L. Mangiarotti and M. Modugno, *Graded Lie algebras and connections on a fibred space*, Journ. Math. Pures et Appl. **83** (1984), 111–120.
132. G. Marmo, E. Saletan, A. Simoni, and B. Vitale, *Dynamical systems. A differential geometric approach to symmetry and reduction*, Wiley-Interscience, Chichester, 1985.
133. J. Marsden and M. Perlmutter, *The orbit bundle picture of cotangent bundle reduction*, C. R. Math. Acad. Sci. Soc. R. Can. **22** (2000), 35–54.
134. J. Marsden and T. Ratiu, *Introduction to mechanics and symmetry*, Springer-Verlag, New York, 1999.

135. J. Marsden and A. Weinstein, *Some comments on the history, theory, and applications of symplectic reduction*, Quantization of singular symplectic quotients, Birkhäuser, 2001, Progress in Math. 198.
136. J.N. Mather, *Notes on topological stability*, Harvard, 1970, mimeographed notes.
137. ———, *Differentiable invariants*, Topology **16** (1977), 145–155.
138. M. Mauhart, *Iterierte Lie Ableitungen und Integrabilität*, Master's thesis, Univ. Wien, 1990.
139. M. Mauhart and P.W. Michor, *Commutators of flows and fields*, Archivum Mathematicum (Brno) **28** (1992), 228–236.
140. F. Michor, *Die Mathematik der Planetenbewegung*, BRG Klosterneuburg, 2000, Fachbereichsarbeit aus Mathematik.
141. P.W. Michor, *Manifolds of differentiable mappings*, Shiva, Orpington, 1980.
142. ———, *Manifolds of smooth mappings IV: Theorem of de Rham*, Cahiers Top. Geo. Diff. **24** (1983), 57–86.
143. ———, *A convenient setting for differential geometry and global analysis I, II*, Cahiers Topol. Geo. Diff. **25** (1984), 63–109, 113–178.
144. ———, *A generalisation of Hamiltonian mechanics*, J. Geometry and Physics **2** (1985), 67–82.
145. ———, *Remarks on the Frölicher-Nijenhuis bracket*, Proceedings of the Conference on Differential Geometry and its Applications, Brno 1986, D. Reidel, 1987, pp. 197–220.
146. ———, *Remarks on the Schouten-Nijenhuis bracket*, Suppl. Rendiconti del Circolo Matematico di Palermo, Serie II, **16** (1987), 208–215.
147. ———, *Gauge theory for diffeomorphism groups*, Proceedings of the Conference on Differential Geometric Methods in Theoretical Physics (Como, 1987) (K Bleuler and M Werner, eds.), Kluwer, 1988, pp. 345–371.
148. ———, *Graded derivations of the algebra of differential forms associated with a connection*, Differential Geometry, Proceedings (Penisola, 1988), Lecture Notes in Math., vol. 1410, Springer-Verlag, 1989, pp. 249–261.
149. ———, *Knit products of graded Lie algebras and groups*, Suppl. Rendiconti Circolo Matematico di Palermo, Ser. II **22** (1989), 171–175.
150. ———, *The moment mapping for a unitary representation*, J. Global Analysis and Geometry **8** (1990), 299–313.
151. ———, *Gauge theory for fiber bundles*, Monographs and Textbooks in Physical Sciences, Lecture Notes, vol. 19, Bibliopolis, Napoli, 1991.
152. ———, *The relation between systems and associated bundles*, Ann. Mat. Pura Appl. **163** (1993), 385–399.
153. ———, *Basic differential forms for actions of Lie groups*, Proc. AMS **124** (1996), 1633–1642.
154. ———, *The Jacobi flow*, Rend. Sem. Mat. Univ. Pol. Torino **54** (1996), 365–372.
155. ———, *Basic differential forms for actions of Lie groups II*, Proc. AMS **125** (1997), 2175–2177.
156. J. Milnor, *On manifolds homeomorphic to the 7-sphere*, Annals of Math. **64** (1956), 399–405.
157. J. Milnor and J. Stasheff, *Characteristic classes*, Annals of Math. Studies, vol. 76, Princeton University Press, Princeton, 1974.

158. I. Moerdijk and Reyes G.E., *Rings of smooth functions and their localizations I*, J. Algebra **99** (1986), 324–336.
159. ———, *Rings of smooth functions and their localizations II*, Mathematical logic and theoretical computer science (College Park, Md., 1984–1985), Lecture Notes in Pure and Appl. Math., vol. 106, Dekker, New York, 1987, pp. 277–300.
160. J. Monterde, *Generalized symplectomorphisms*, Lecture Notes in Math, vol. 1410, pp. 262–271, Springer-Verlag, Berlin, Peñiscola, 1988, 1989.
161. J. Monterde and A. Montesinos, *Integral curves of derivations*, J. Global Analysis and Geometry **6** (1988), 177–189.
162. D. Montgomery and L. Zippin, *Transformation groups*, J. Wiley-Interscience, New York, 1955.
163. M. Mori, *On the three-dimensional cohomology group of Lie algebras*, J. Math. Soc. Japan **5** (1953), 171–183.
164. A. Morimoto, *Prolongations of geometric structures*, Math. Inst. Nagoya University, Chikusa-Ku, Nagoya, Japan, 1969.
165. J. Morrow, *The denseness of complete Riemannian metrics*, J. Diff. Geo. **4** (1970), 225–226.
166. M. Morse, *The behavior of a function on its critical set*, Ann. Math. **40** (1939), 345–396.
167. J. Moser, *Three integrable Hamiltonian systems connected with isospectral deformations*, Adv. Math. **16** (1975), 197–220.
168. J. Nagata, *Modern dimension theory*, North Holland, 1965.
169. M. Nagata, *On the 14-th problem of Hilbert*, Amer. J. Math. **81** (1959), 766–772.
170. K.-H. Neeb, *A note on central extensions of Lie groups*, J. Lie Theory **6** (1996), 207–213.
171. ———, *Holomorphy and convexity in Lie theory*, de Gruyter, Berlin, 1999.
172. A. Newlander and L. Nirenberg, *Complex analytic coordinates in almost complex manifolds*, Ann. of Math. **65** (1957), 391–404.
173. A. Nijenhuis, *On the holonomy groups of linear connections. IA. IB*, Indagationes Math. **15** (1953), 233–240, 241–249.
174. ———, *On the holonomy groups of linear connections. II*, Indagationes Math. **16** (1954), 17–25.
175. ———, *Jacobi-type identities for bilinear differential concomitants of certain tensor fields I*, Indagationes Math. **17** (1955), 390–403.
176. ———, *Natural bundles and their general properties*, Differential Geometry in Honor of K. Yano, Kinokuniya, Tokyo, 1972, pp. 317–334.
177. A. Nijenhuis and R. Richardson, *Deformation of Lie algebra structures*, J. Math. Mech. **17** (1967), 89–105.
178. K. Nomizu and H. Ozeki, *The existence of complete Riemannian metrics*, Proc. AMS **12** (1961), 889–891.
179. M. Olshanetskii and A. Perelomov, *Geodesic flows on symmetric spaces of zero curvature and explicit solution of the generalized Calogero model for the classical case*, Funct. Anal. Appl. **10**, **3** (1977), 237–239.
180. B. O'Neill, *The fundamental equations of a submersion*, Mich. Math. J. **13** (1966), 459–469.

181. A.L. Onishchik, *Topology of transitive transformation groups*, Johann Ambrosius Barth, Leipzig, Berlin, Heidelberg, 1994.
182. A.L. Onishchik and E. Vinberg, *Lie groups and Lie algebras I*, Encyclopedia of Math. Sciences, vol. 20, Springer-Verlag, Heidelberg, 1993.
183. J.-P. Ortega and T. Ratiu, *Singular reduction of Poisson manifolds*, Lett. Math. Phys. **46** (1998), 359–372.
184. J.-P. Ortega and T. Ratiu, *Momentum maps and Hamiltonian reduction*, Progress in Mathematics, vol. 222, Birkhäuser, Boston, 2004.
185. R.S. Palais, *A global formulation of the Lie theory of transformation groups*, Mem. AMS **22** (1957).
186. ———, *On the existence of slices for the actions of non-compact Lie groups*, Ann. of Math. **73** (1961), 295–323.
187. R.S. Palais and C.L. Terng, *Natural bundles have finite order*, Topology **16** (1977), 271–277.
188. ———, *A general theory of canonical forms*, Trans. AMS **300** (1987), 771–789.
189. ———, *Critical point theory and submanifold geometry*, Springer-Verlag, Berlin, 1988, Lecture Notes in Mathematics 1353.
190. S. Parameswaran, *Skew-symmetric determinants*, Amer. Math. Monthly **61** (1954), 116.
191. R. Penrose and W. Rindler, *Spinors and space-time*, vol. 1., vol. 2, Cambridge University Press, 1987, 1988.
192. A. Perelomov, *Integrable systems of classical mechanics and Lie algebras*, Birkhäuser, Basel, 1990.
193. H.V. Pitie, *Characteristic classes of foliations*, Research Notes in Mathematics, vol. 10, Pitman, London, 1976.
194. A. Pressley and G. Segal, *Loop groups*, Oxford Mathematical Monographs, Oxford University Press, 1986.
195. F. Quinn, *Ends III*, J. Diff. Geo. **17** (1982), 503–521.
196. A. Sard, *The measure of the critical points of differentiable maps*, Bull. AMS **48** (1942), 883–890.
197. G. Sartori, *A theorem on orbit structures (strata) of compact linear Lie groups*, J. Math. Phys. **24** (1983), 765–768.
198. H. Schicketanz, *On derivations and cohomology of the Lie algebra of vector valued forms related to a smooth manifold*, Bull. Soc. Roy. Sci. Liège **57** (1988), 599–617.
199. J.A. Schouten, *Über Differentialkonkomitanten zweier kontravarianten Größen*, Indagationes Math. **2** (1940), 449–452.
200. O. Schreier, *Über die Erweiterungen von Gruppen I*, Monatsh. Math. Physik **34** (1926), 164–180.
201. ———, *Über die Erweiterungen von Gruppen II*, Hamburger Abh. **4** (1926), 321–346.
202. I. Schur, *Über eine Klasse von Mittelbildungen mit Anwendungen in der Determinantentheorie*, Sitzungsberichte der Berliner Mathematischen Gesellschaft **22** (1923), 9–20.
203. G.W. Schwarz, *Smooth functions invariant under the action of a compact Lie group*, Topology **14** (1975), 63–68.
204. R.T. Seeley, *Extension of c^∞ -functions defined in a half space*, Proc. AMS **15** (1964), 625–626.

205. J.-P. Serre, *Cohomologie des groupes discrets*, Séminaire Bourbaki **399** (1970/71).
206. ———, *Cohomologie des groupes discrets*, Ann. of Math. Studies **70** (1971), 77–169, Princeton University Press.
207. P. Shanahan, *The Atiyah-Singer index theorem*, Lecture Notes in Mathematics, vol. 638, Springer-Verlag, Berlin, 1978.
208. U. Shukla, *A cohomology for Lie algebras*, J. Math. Soc. Japan **18** (1966), 275–289.
209. R. Sjamaar and E. Lerman, *Stratified symplectic spaces and reduction*, Ann. Math. **134** (1991), 375–422.
210. J. Slovák, *Peetre theorem for nonlinear operators*, Annals of Global Analysis and Geometry **6** (1988), 273–283.
211. L. Solomon, *Invariants of finite reflection groups*, Nagoya Math. J. **22** (1963), 57–64.
212. J.M. Souriau, *Quantification géométrique*, Comm. Math. Phys. **1** (1966), 374–398.
213. P. Stefan, *Accessible sets, orbits, and foliations with singularities*, Proc. London Math. Soc. **29** (1974), 699–713.
214. R. Stöcker and H. Zieschang, *Algebraische Topologie*, Teubner, Stuttgart, 1988.
215. J. Szenthe, *A generalization of the Weyl group*, Acta Math. Hungarica **41** (1983), 347–357.
216. ———, *Orthogonally transversal submanifolds and the generalizations of the Weyl group*, Period. Math. Hungarica **15** (1984), 281–299.
217. C.L. Terng, *Natural vector bundles and natural differential operators*, American J. of Math. **100** (1978), 775–828.
218. ———, *A convexity theorem for isoparametric submanifolds*, Invent. Math. **85** (1986), 487–492.
219. ———, *Isoparametric submanifolds and their Coxeter groups*, J. Diff. Geom. **1985** (21), 79–107.
220. J.C. Tougeron, *Idéaux de fonctions différentiables*, Springer-Verlag, 1972, Ergebnisse d. Math. **71**.
221. W.M. Tulczyjew, *The graded Lie algebra of multivector fields and the generalized Lie derivative of forms*, Bull. Acad. Polon. Sci. **22**, **9** (1974), 937–942.
222. I. Vaisman, *Lectures on the geometry of Poisson manifolds*, Progress in Mathematics, vol. 118, Birkhäuser Verlag, Basel, 1994.
223. V.S. Varadarajan, *Lie groups, Lie algebras, and their representations*, Prentice-Hall, Springer-Verlag, Englewood Cliffs, N.J., New York, 1974 1984, 2nd edition.
224. A. Weil, *Théorie des points proches sur les variétés différentielles*, Colloque de topologie et géométrie différentielle (Strasbourg), 1953, pp. 111–117.
225. A. Weinstein, *A universal phase space for particles in a Yang-Mills field*, Lett. Math. Phys. **2** (1978), 417–420.
226. H. Whitney, *Analytic extensions of differentiable functions defined in closed sets*, Trans. AMS **36** (1934), 63–89.
227. ———, *Differentiable even functions*, Duke Math. J. **10** (1943), 159–166.
228. ———, *The selfintersections of a smooth n -manifold in $2n$ -space*, Annals of Math. **45** (1944), 220–293.
229. S. Wong, *Field and particle equations for the classical Yang-Mills field and particles with isotopic spin*, Il Nuovo Cimento **65A** (1970), 689–694.
230. H. Yamabe, *On an arcwise connected subgroup of a Lie group*, Osaka Math. J. **2** (1950), 13–14.