

REFERENCES

1. Ahsan,Z. and Hussain,S.I. (1980) : On the Physical Meaning  
Meaning of Nijenhuis tensor in General Relativity.  
Private Communication.
2. Bash, F.N. (1977) : "Astronomy" Harper and Row Publishers,  
pp. 206-219.
3. Basov,N.G. (1979) : Problems in the General Theory of Relati-  
vity and theory of group representation.  
The Lebdev Physics Institute Series, 96.
4. Bose, S.K. (1980) : Electromagnetic test fields in the  
Kerr-Newman metric. J.Math.Phys., 21,(4),pp.868-869.
5. Besancon, R.M. (1974) : "Encyclopedia of Physics."  
Van Nostrand Reinhold Company, pp. 72 and 395.
6. Boslough, J. (1984) : Inside the mind of a genius (Stephan  
Hawking) Readers Digest (Nov),pp.85-89.
7. Campbell,S.J. and Wainright (1977) : Algebraic Computing and  
the Newman-Penrose formalism in General Relativity.  
Gen.Rel.and Grav., 8, No.12, pp.987-1001.
8. Carmeli, M. (1977) : "Group Theory and General Relativity"  
McGraw Hill International book Company.
9. Chandrasekhar,S. (1983): "The Mathematical theory of Black Holes"  
Clarendon Press, Oxford University Press.
10. Chandrasekhar,S. (1979): "General relativity" An Einstein  
Centary Survey. Ed.by S.W.Hawking and S.Israel,  
Cambridge University Press.

11. Collinson, C.D. and Morris, P.B. (1972) : Neutrino Radiation Fields in General Relativity. Int.J.Theor.Phys., 5, pp. 293-301.
12. Collinson, C.D. and Smith, P.N. (1977) : A comment on the symmetries of Kerr Black Holes. Commun.Math.Phys., 56, pp. 277-279.
13. Dadhich, N. (1983) : Black holes in electromagnetic fields and the second law of Black Hole Physics. MPA 80(July).
14. Datta, B. (1979) : Some aspects of relativistic astrophysics Proc.of the tenth annual conference of the Indian Association for General Relativity and Gravitation edited by M.Nagraj. pp. 27-41.
15. Dewit and Dewit (1973) : "Les Astres Occulus" Gordon and Breach Science Publishers, New York.
16. Debney, G.C. and Zund, J.D. (1972a) : Electromagnetic Theory in General Relativity I : The Geometry of Congruences. Tensor,N.S., 25, pp.47-52.
17. Debney, G.C. and Zund, J.D. (1971) : A Note on the Classification of Electromagnetic fields. Tensor,N.S., 22, pp.333-340.
18. Debney, G.C. and Zund, J.D. (1972b) : Electromagnetic Theory in General Relativity II : Non-singular Fields. Tensor,N.S., 25, pp.53-62.
19. Dhurandhar, S.V. : Non-Equational Tachyon Trajectories in Kerr Space-line and the second law of black hole physics.

20. Duncan,R. and Smith,W. (1977) : "Encyclopedia of Ignorance"
21. Ginzburg,V.N. (1976): "Key problems of Physics and Astro-physics", Mir publishers.
22. Hawking, S.W. and Ellis,H.R. (1973): "The large scale structure of space time physics" Cambridge University Press.
23. Hawking,S.W. and Israel,W. (1979) : "General Relativity"  
An Einstein Centenary Survey, Cambridge University Press.
24. Hoyle,F. and Narlikar,J.V. (1980) : "The Physics-Astronomy Frontier" W.H.Freeman Company.
25. Herrera,L. and Carigi,L. (1983) : Killing Vectors and Maxwells Collineations in General Relativity. 10th GRG padova, 1, Classical Relativity, GR 10, pp. 254-257.
26. Katkar,L.N. (1981) : On the Nijenhuis Tensor in Relativistic Electrodynamics. IL NUOVO CIMENTO., 64B,pp.9-19.
27. Kauffmann,W.H.(III) (1977) : "Relativity and Cosmology"  
Harper and Row publishers.
28. Khade,V.D. and Radhakrishna,L. (1976): Nijenhuis Tensor and Electrodynamics. Proc.Int.Symp.on Rel.and Unified Field Theory,Calcutta, pp.283-286.
29. Klauder (1972) : "Magic without Magic" (J.A.Wheeler),  
W.H.Freeman and Company.
30. Lightmann,A.P., Press,W.H., Price,R. H. and Teucolsky,S.A. (1975): "Problem book in Relativity and Gravitation"  
Princeton University Press.

31. Lipkin, D.M. (1964) : Existence of a new conservation law in electromagnetic theory. J.Math.Phys., 5, pp.696-700.
32. Misner, C.W., Thorne, K.S. and Wheeler, J.A. (1973) : 'Gravitation' W.H.Freeman and Company, Sanfransisco.
33. Misner, C.W. and Wheeler, J.A. (1957) : Classical Physics as Geometry : Gravitation, electromagnetism, unquartized charge and Mars as properties of empty space. Ann.Phys., 2, pp. 225.
34. Mishra, R.S. (1967) : On almost hermite spaces II. Nijenhuis tensor, Indian J.Maths., 9, pp.161-168.
35. Misra, R.M. and Mishra, R.S. (1968): On Geometrodynamics of Non-null electromagnetic fields. Tensor, N.S., 19, pp. 349-357.
36. Mitchell, J. (1982) : "The Illustrated Retrence Book of the Universe" WINDWARD (W.H.Smith and Son Limited).pp.72-73.
37. Markov, M.A. (1978): On the stability of Elementary Black Holes. MIRAMARE-TRIESTE.
38. Narlikar, J.V. (1977) : "Structure of the Universe" Oxford University Press.
39. Narlikar, J.V. (1978): "Lectures on General relativity and cosmology" The MacMillan Company India Ltd.
40. Narlikar, J.V. (1983) : "Introduction to Cosmology" Jones and Bartlett Publishers, Boston.
41. Narlikar, J.V. (1986): "A Journey through the Universe" National Book Trust, New Delhi.

42. Newman, E.T. and Penrose, R. (1962) : An approach to Gravitational Radiation by a method of spin coefficients. J.Math.Phys., 3 No.3, pp. 566-578.
43. Penrose, R. (1969): Gravitational Collapse: the role of General Relativity. Rivista del Nuovo Cimento., Serial I, Vol.1, pp. 252-276.
44. Penrose, R. (1973): Naked singularities. Annals of the New York Academy of Sciences, 224, pp. 124-125.
45. Penrose, R. (1968): On Gravitational Collapse. Contemporary Physics trieste Symposium., 1, pp.545-555.
46. Penrose, R. and Floyd, R.M. (1971): Extraction of Rotational Energy from a Black Hole. Nature Physical Science, vol. 229, No.6, pp.177-179.
47. Pirani, F.A.E. (1957) : Invariant formulation of Gravitational Theory, Physics Review, 105, No.3, pp.1089-1099.
48. Pokhariyal, G.P. and Mishra, R.S. (1971): Electromagnetic Tensor Field Nijenhuis Tensor. Tensor, N.S., 22, pp. 249-254.
49. Prasanna, A.R. : Black holes, electromagnetic fields and negative energy state for charged particles, MPA 40.
50. Prasanna, A.R., Narlikar, J.V. and Vishveshwara, C.V. (1980): "Gravitation, Quanta and the Universe" Wiley Eastern Limited.
51. Prasanna, A.R. and Chakraborty, D.K. (1982): General Relativistic Analysis of Structure and stability of charged fluid disks around compact objects. Journal Astrophysics, Astr 2, pp. 1-27.

52. Press, W.H. and Teukolsky, S.A. (1973): Perturbations of a Rotating Black Hole II : Dynamical Stability of the Kerr metric. The Astrophysical Journal, Vol., 185, No.2, Part I, pp. 649-673.
53. Press, W.H. and Teukolsky, S.A. (1974): Perturbations of a Rotation Black Hole III: Infracation of the hole with Gravitational and Electromagnetic Radiation. The Astrophysical Journal, vol.193, No.2, Part I, pp.443-461.
54. Radhakrishna, L. and Khade, V.D. (1973): Nijenhuis tensor of an electromagnetic field in General Relativity. J. Shivaji University, 6, (12), pp.57-62.
55. Radhakrishna, L. and Gumaste, S.P. (1981): Newman-Penrose concomitants of the Serret-Frenel Formulae in General Relativity. Private communication.
56. Radhakrishna, L. and Ibohol Singh, N. (1984): Pure radiation fields admitting non-trivial null symmetries. J. Math. Phys. (USA), 25, pp.2293.
57. Radhakrishna, L. and Shah, M.A. (1985) : Rheometroynamics. Proceedings of the workshop in solid mechanics March 1985, University of Roorkee; Department of Mathematics.
58. Radhakrishna, L. and Rao, A.B.P. : Collineations in Collapsing Radiative Perfect fluids. Proceedings of the IAGRGX.
59. Rees, M.; Raffine, R. and Wheeler, O.A. (1974): "Black Holes, Gravitational waves and cosmology" Gordon and Breach Science Publishers.

60. Scima, D.W. (1977) : Black holes and their thermodynamics vistas in Astronomy, 19 edited by Arthur Beer and Peter Beer, pp. 385-401, Pergamon Press.
61. Schendel, J. (1982): Looking inside Quasars. Astronomy edited by Richard Berry, 10, No.11, pp.6-24.
62. Schouten, J.A. and Yano, K. (1955): On the geometric meaning of the vanishing of the Nijenhuis tensor in an  $X_{2n}$  with an almost complex structure. Ind.Math., 17, pp. 132-138.
63. Schutz, B.F. (1985): "A first course in general relativity" Cambridge University Press.
64. Sexl, R. and Sexl, H. (1979): "White dwarfs, Black holes: An Introduction to Relativistic Astrophysics", Academic Press.
65. Simpson, M. and Penrose, R. (1973): Internal Instability in a Reissner-Nordstrom Black Hole. International Journal of Theoretical Physics, 7, No.3, pp. 183-197.
66. Sreenkantam, B.V.; Cowsik, R. and Narlikar, J.V. (1984): Throwing light on Black Holes. Science Age(monthly) December, pp.30, Nehru Publication Centre, Bombay.
67. Straumann, N. (1984): "General Relativity and Relativistic Astrophysics" Springer-Verlag Publications.
68. Tariq, N. and Tupper, B.O.J. (1977) : Curvature collineations in Einstein-Maxwell space times and in Einstein spaces. Tensor, N.S., 31, pp. 42-48.

69. Tippler, F.J. (1976): The beginning and the end of a Black Hole. Physical letters., 59A. No.2, pp. 107-108.
70. Teukolsky, S.A. (1973) : Perturbations of rotating black hole I. Fundamental equations for gravitationa, electromagnetic and neutrino field perturbations. Astrophysics, Journal, 185, No.2, pp. 635-647.
71. Wallace, G.L. and Zund, J.D. (1979): Electromagnetic theory in General Relativity VI: The Poynting Vector and Zilch Tensor. Tensor, N.S., 33, pp. 322-327.
72. Wald, R.M. (1984) : "General Relativity" The University of Chicago Press.
73. Wald, R.M. (1973) : On perturbation of a Kerr-black hole. J.Math.Phys., 14, No.10, pp. 1453-1461.
74. Wheeler, J.A. (1962) : "Geometrodynamics", Academic Press, New York.
75. Yano, K. (1955): "The Theory of Lie derivative and its applications" North Holland.
76. Zund, J.D. (1973) : Electromagnetic theory in General Realtivity III: The structure of the sources. Tensor, N.S., 27, pp. 355-360.
77. Zund, J.D. (1974): Electromagnetic theory in General Relativity IV : A Theory of Light-Darts. Tensor, N.S., 28, pp.283-289.
78. Zund, J.D. (1977): Electromagnetic theory in General Relativity V: The Vector potential. Tensor, N.S., 31, pp.301-306.

...