B I B L I O G R A P H Y

1) Ahsan, Z. (1978) : Collineations in Electromagnetic Fields in General Relativity - The null Field Case, Tamking J. Math. (China), 9, 237-240.

2) Asgekar, G.G. and Date, T.H.(1977) : Collineations and Motions in Self gravitating Magnetofluid. J. Math. Phys., 18, 738-742.

3) Campbell, S.J. and Wain wright(1977) : Algebraic Computing and the Newman Penrose Formalism in General Relativity. Gen. Rel. and Grav. Vol. 8, No. 12 PP. 987-1001.

4) Carmeli M.(1977) : "Group Theory and General Relativity" Mc Graw Hill.

5) Carter, B. and Quintana,H.(1977) : Gravitational and Acoustic Waves in an Elastic Medium, Phys. Rev., D16 2928-2938.

6) Chandrashekhar,S. (1983) : The Mathematical Theory of Black Holes. Clarendon Press. Oxford. Oxford University Press, New-York.

...59/-

7) Choquet-Bruhat,Y., Dewitt-Morett,C. and Dillard-Bleick,M. (1977) : Analysis, Manifolds and Physics, (Amsterdam : North-Holland Publ. Co.)

8) Collinson, C.D. and Morris, P.E.(1972) : Neutrino Radiation Fields in General Relativity. Int. J. Theor. Phys. Vol. 5, No.5, PP. 293-301.

9) Edgar, S.B.(1980a) : A new approach to Einstein-Petrov-Type I Spaces. 9th International Conference on General Relativity and Gravitation.

10) Edgar, S.B.(1980b) : The Structure of Tetrad formalisms in General Relativity : The General Case, Gen. Rel. Grav., 12, 347-362.

11) Ellis, G.F.R.(1971) : Relativistic Cosmology, in General Relativity and Cosmology : Enrico Fermi Ed. R.K. Sachs, (New York : Academic Press), PP. 104-182.

12) Eringen, A.C.(1962) : Non-Linear Theory of Continuous Media , (New York : Mc Graw Hill Co.).

13) Flaherty, E.J.(1976): Lecture Notes in Physics. 46 Hermitian and Kahlerian Geometry in Relativity. Springer-Verlag. Berlin New-York.

...60/-

14) Geroch, R., Held,A. and Penrose, R. (1973). : A Space-Time Calculus Based on Pairs of Null Directions, J. Math. Phys., 14 874-881.

15) Goldberg, J.N. and Sachs, R.K.(1962) : " A Theorem on Petrov Types" Acta Phy. Polon., 22, 13-23.

16) Griffith,J.B.(1976a): The Collision of Plane Waves in General Relativity, Ann. Phy., 102, 388-404.

17) Griffith,J.B.(1976b): Colliding Neutrino Fields in General Relativity, J. Phys. A. Math. Gen., 45-51.

18) Hall, G.S. (1977) : Recurrence Conditions in Space-Time. J. Phys. A : Math. Gen. Vol. 10 No. 1, PP. 29-42.

19) Hawking, S.W. and Ellis, H.R.(1973) : The Large Scale Structure of Space-Time Physics. P. 80, Cambridge University Press.

20) Hawking, S.W. and Israel, W (1979) : General Relativity An Einstein Centenary Survey Cambridge University Press.

...61/-

21) Katkar L.N.(1981) : On the Application of Newman-Penrose Formalism in Relativistic Electromagnetic Fields. Ph.D. Thesis, Shivaji University.

22) Khade, V.D.(1973) : Studies in Groups of Motions and Collineations in General Relativity.

23) Ludwig G. (1970) : Geometrodynamics of Electromagnetic Fields in the Newman - Penrose Formalism. Commun Math. Phys. 17, PP. 17-98

24) Ludwig, G.(1980a) : On Algebraically Special Space-Times with Non-twisting Rays. J. Math. Phys. 21, 154-160.

25) Ludwig, G.(1980b) : Asymptotic Behaviour of Gravitational Fields in a Type II Co-oradinate system., J. Math. Phys. 21., 2538-2542

26) Misner, C.W. Thorne, K.S. and Wheeler,J.A.(1973) : Gravitation (San Francisco : Freeman and Co.).

27) Newman, E.T. and Penrose, R. (1962) : An Approach to Gravitational Radiation by a Method of Spin Coefficients. J. Math. Phys. , 3(3) PP 566-578

...62/-

28) Newman, E.T. and Tod, K.P. (1980) : Asymptotically Flat Space-Times in General Relativity and Gravitation, Vol. 2, Ed. by A. Held. Plenum Publishing Corporation.

29) Newman, E.T. and Unti, T.W.J. (1962) : Behaviour of Asymptotically Flat Empty Spaces. J. Math. Phys. Vol. 3., No. 5, PP. 891-901.

30) Pirani, F.A.E. : Introduction to gravitational radiation theory in Traufman, Pirani and Bondi, PP. 249-373.

31) Prager, W. (1961) : Introduction to Mechanics of Continua Chicago : Ginn.

32) Prasanna A.R., Naralikar J.V., Vishveshwara C.V. (1980) : Gravitation, Quanta and the Universe Wiley Eastern Limited.

32a) Radhakrishna, L.; Kotkar, L.N.; (1980): Jaumann Transport in Relativistic Continuum Mechanics, and Dati, T.H. Gen. Rel. Grav., 13, No. 10.

33) Singh, N.I. (1983) : Collineations in Theories of Gravitation. Ph.D. Thesis: Shivaji University.

34) Stewart, J. (1984) : Computer Generated NP. Equations. Cambridge University (Personal - Communication).

...63/-

35) Synge J.L. (1965) : Relativity : The Special Theory (Amsterdam : North Holland Publ. Co.)

36) Szekeres, P. (1964) : Interaction of Gravitational Fields and Matler. Ph.D. Thesis, University of London.

37) Trautman A., Pirani F.A. Bondi, H. (1965) : Lectures on General Relativity, Prentice Hall, Inc. New Jersey.

38) Virkar, K.V. (1978) : Relativistic Elastic Systems. Ph.D. Thesis : Shivaji University.

. . . . .