

LIST OF PUBLICATIONS

1. Deb, T. K., Biswas, G. and Karanjai, S.: 1991, " Solution of the equation of transfer for interlocked multiplets by the method of discrete ordinates with the planck function as a nonlinear function of optical depth " , Astrophys. Space Sci. Vol. 178, pp. 107-117.
2. Karanjai, S and Deb, T. K.: 1991, " Solution of the equation of transfer for coherent scattering in an exponential atmosphere by Eddington's method " , Astrophys. Space Sci. Vol. 178, pp. 299-302.
3. Karanjai, S and Deb, T. K.: 1991, " An exact solution of the equation of transfer for three-term scattering indicatrix in an exponential atmosphere " , Astrophys. Space Sci. Vol. 179, pp. 89-96.
4. Karanjai, S and Deb, T. K.: 1991, " Exact solution of the equation of transfer in a finite exponential atmosphere by the method of Laplace transform and linear singular operator " , Astrophys. Space Sci. Vol. 181, pp. 267-275.
5. Karanjai, S and Deb, T. K.: 1991, " Solution of the equation of transfer for interlocked multiplets with Planck function as a nonlinear function of optical depth " , Astrophys. Space Sci. Vol. 184, pp. 57-63.
6. Deb, T. K. and Karanjai, S.: 1992, " Time-dependent scattering and transmission function in an anisotropic two-layered atmosphere " , Astrophys. Space Sci. Vol. 189, pp. 95-117.
7. Karanjai, S and Deb, T. K.: 1992, "An Exact solution of the equation of transfer for coherent scattering in an exponential atmosphere " , Astrophys. Space Sci. Vol. 189 , pp. 119-122.

8. Deb, T. K. and Karanjai, S.: 1992, " Solution of the equation of transfer for coherent scattering in an exponential atmosphere by Busbridge's method ", Astrophys. Space Sci. Vol. 192, pp. 127-132.
9. Karanjai, S and Deb, T. K.: 1992, " Solution of the equation of transfer for coherent scattering in an exponential atmosphere by the method of discrete ordinates ", Astrophys. Space Sci. Vol. 192, pp. 209-217.
10. Karanjai, S and Deb, T. K.: 1992, " The time-dependent X- and Y- functions ", Astrophys. Space Sci. Vol. 196 , pp. 223-229.
11. Karanjai, S and Deb, T. K.: 1992, " Exact solution of equation of transfer with planetary phase function " , Earth, Moon and Planet., Vol. 59, pp. 1-10.
12. Karanjai, S and Deb, T. K. .: 1993 , " An exact linearization and decoupling of the integral equations satisfied by time-dependent X- and Y- functions ", Astrophys. Space Sci. Vol. 203, pp. 135-138.
13. Deb, T. K. and Karanjai, S.: 1994 , " Solution of a radiative transfer problem with a combined Rayleigh and Isotropic phase function ", Proceedings of the National seminar on Mathematical Modeling, [Lecture Notes in Mathematical Sciences. ", Vol. 2, pp. 70-78].