

## *References*

## References

1. **Bird,R.B.,Armstrong,R.C.,Hassager,O. & Curtiss,C.F.;** Dynamics of polymeric liquids, Vol. I, Fluids Mechanics. Wiley ,New York ed., (1987) and Vol.II Kinetic theory .Wiley (1977) .
2. **Giesekus,H.W.,Kröner,E.&Kirchgasner,K.;** Trends in application of pure mathematics to mechanics;Lecture notes in physics 244, Springer verlag Berlin p.331-348,(1986).
3. **Flory,P.J.;** Statistical mechanics of chain molecules,New York, (1969) .
4. **Truesdell,C. &Noll,W.;** Encyclopedia of physics , Vol.III/3 , The Non- linear field theories of mechanics. Springer verlag , Berlin , Heidelber , New York , (1965) .
5. **Giesekus,H.W.;** Rheol. Acta 3 , 59-71 , (1963) .
6. **Munson,B.R.& Joseph,D.D.;** viscous incompressible flow between two concentric rotating spheres,part 1 Basic flow,J.of fluid mechanics, 49, 289,(1971) .
7. **Gagliardi,J.C. &Nigro,N.J.;** Study of the axially -symmetric motion of an incompressible viscous fluid between two concentric rotating spheres.,J.of Eng.Math.,V 24, n.1, 1-23, (1990) .
8. **Dennis,S.C.R&Singh,S.N.;** calculation of the flow between two rotating spheres by the methods of series truncation . J. of comp. phy.28, 297, (1978) .
9. **Greespan,D.;** Numerical studies of steady viscous incompressible flow between two rotating spheres.,Comp.&Fluids 3, 62, (1975) .

10. **Gagliardi, J.C. & Nigro, N.J.**; Numerical study of the axially symmetric motion of an incompressible viscous fluid between two concentric rotating spheres. , Int. J. for numer. methods in fluids ,9 n.6, 689-712, (1989).
11. **Wimmer, M.** ; Experiments on viscous flow between two rotating concentric spheres., J. of fluid mechanics , 78, 317 , (1976) .
12. **Walters, K. & Davies, J.M.**; Rheology of lubricants , Elsevier applied science, (1975) .
13. **Abdel wahab, M.**; Investigation of boundary value problem of the measuring of viscoelastic properties of fluids , Doctor thesis , Faculty of Science , Benha, Egypt (1990) .
14. **Abdel wahab, M., Giesekus, H. & Zidan, M.** ; A new eccentric-cylinder rheometer , Rheol. Acta , 29, 16-22, (1990) .
15. **Jeffery, G.B.**; Proc. London Math. Soc. (2) 14, 327, (1915) .
16. **Stimson, M. & Jeffery, G.B.**; Proc. Roy. Soc. A 3 , 110 , (1926) .
17. **Majumdar, S.R.**; J. Phy. Soc. Japan 26 , 827-840 , (1969) .
18. **Munson, B.R.**; The Phys. of Fluids , 17 , 528-531 , (1974) .
19. **Menguturk, M. & Munson, B.R.**; The Phys. of Fluids , 18 , 128-129 , (1975) .
20. **Chiu, C.P. & Chen, W.R.**; Transsient natural convection between concentric and vertically eccentric spheres with mixed boundary conditions, J. of heat and mass transfer, Vol. 31, Iss: 3, P. 137-143, Springer verlag, Germany, (1996) .
21. **Chiu, C.P. & Chen, W.R.**; Transsient natural convection heat transfer between concentric and vertically eccentric spheres, J. of heat and mass transfer, Vol. 39, Iss: 7, P. 1439-1452, Elsevier, UK, (1996).

22. **Skarpoulos, N.C. & Chrissoulidis, D.P.;** Induced E.M. field in a layered eccentric spheres model of the head: plane wave and localized source exposure, *Trans. on microwave theory and tech.*, Vol.44, No.10, (1996) .
23. **Skarpoulos, N.C. & Chrissoulidis, D.P.;** Distribution of heating potential in an eccentric spheres model of a cranial structure, *Int.J. for comp. and mat. in electrical and electronic eng.*, Vol.14, No.4, 274-282, (1995) .
24. **Olson, L., G. & Throne, R.D.;** Computational issues arising in models of the inverse problem of electrocardiography , *Proc. of the 16th annual int. conf. of the IEEE eng. in med. and biology soc.*, Vol.1131-132, (1994) .
25. **Olson, L., G. & Throne, R.D.;** Computational issues arising in multidimensional elliptic inverse problems: The inverse problem of electrocardiography , *Eng. computations* , Vol.12, 343-356, (1995) .
26. **Olson, L., G. & Throne, R.D.;** The effect of errors in assumed conductivities and geometry on numerical solutions to the inverse problems of electrocardiography , *IEEE Transactions on biomedical Eng.* , Vol.42, No.12, P.1192-1200 , (1995) .
27. **Olson, L., G., Throne, R.D., Harbic, T.J. & Windle, J.R.;** Generalized eigensystem techn. for the inverse problem of electrocardiography applied to a realistic heart-torso geometry, *IEEE Transactions on biomedical Eng.* , Vol.44, No.6, P.447-454 , (1997) .
28. **Dongsheng, W., Saul, J.P. & Bin, H.;** Epicardial inverse solutions from body surface Laplacian maps: a model study , *Eng. conference (cat. No.95ch35746)* Vol.1, P.227-228 , IEEE , USA, (1997) .

29. **Johnston, P.R. & Kilpatrick, D.**; An eccentric spheres model to study the inverse problem of electrocardiography from surface Laplacian measurements, Med. and biological eng. & computing, Vol. 34, Iss, suppl. 1, pt. 2, P. 41-42, (1996)
30. **El-Bakry, M.**; study of flow problems which is of special significance to rheometry, M.Sc. Thesis, Faculty of science, Benha, Egypt (1993).
31. **Abu-El Hassan, A., Abdel wahab, M., El-Bakry, M. & Zidan, M.**; flow of fluids of grade two between two eccentric rotating spheres, ZAMP, 47, 313-332, (1996).
32. **Noll, W.**; Arch. Rational Mech. Anal., V. 2, 197-226, (1958).
33. **Truesdell, C.**; The elements of continuum mech., Springer verlag, Berlin, Heidelberg, New York, (1966).
34. **Rivlin, R.S. & Ericksen, J.L.**; J. Rational Mech. Anal., 323-425, (1958).
35. **Parton, V.Z. & Perlin, P.I.**; Mathematical methods of the theory of elasticity, part 1, Mir publishers, Moscow, (1984).
36. **Morse, P.M. & Feshbach, H.**; Methods of theoretical physics., part I, II, McGraw-Hill, Inc., New York, Toronto, London, (1953).
37. **Lebedev, N.N., Skalskaya, I.P. & Ufly, Y.S.**; Worked problems in applied mathematics, A.F. Ioffe Physico-Tech. Institute Academy of Sc., U.S.S.R., Richard A. Silverman, (1965)
38. **Dwight, H.B.**; Tables of integrals and other mathematical data, The Macmillan Company, fourth edition, New York, (1966).

- 39. Magnus, W., Oberhettinger, F. & Soni, R.P.;** Formulas and theorems for the special functions of math. phy. , 3d Springer-Verlag , Berlin Heidelberg , (1966) .
- 40. Landu, L.D. & Lifshitz, E.M.;** Fluid mechanics (Course of theoretical physics) Vol.6, Second edition , (1987) .
- 41. Josef, A.S. & Allen, E.F.;** Hand book of fluid dynamics and fluid machinery, Vol.1 , fundamentals of fluid dyn., New York, Chichester, Brisbane, Toronto, Singaphora, (1996) .
- 42. Moon, P. & Spencer, D.E.;** Field theory for engineers, D. van Nostrand company , Inc. princeton , New York , New Jersey , Tronto , London , (1961).