

REFERENCES

Aamodt, R.E. and Case, K.M.: 1963, Ann. Phys. (N.Y) 21, 284.

Abu-Shumays, I.K., 1966, Nucl. Sci. Eng. 26, 430

Abu-shumays, I.K, and Bariess, E.H. : 1968, J. Math. Phys. 9, 1993

Abu-Shumays, I.K. and Bariess, E.H. : 1971, In the second conference on Transport Theory. Jan. 26-29, 1971, p.150, Rep CONF-710107, U.S At Energy Comm.

Abhayankar, K.D. and Fymat, A.L.: 1969, J. Math. Phys. 10 1935.

Abramov, Vu. Yu., Dykhne, A.M., Napartovich, A.P. : 1967a, 1969a, 1969b, Astrophysica.

Ackroyd, R.T., Wilson, W.E. : 1988, Ann Nucl. Energy (UK) Vol. 15 No. 8, 397

Akama, H. and Siegel, A. : 1965a Physica, 31, 1493; 1965 b Phys. Fluids, 8 1218.

AIC outfe , R.E. and Larsen, E.W.: 1990 (May), Nucl.Sci.Eng.Vol.105,No.1

Allen, E.J.: 1986, Transport Theory and stat. Phys.(U.S.A) Vol. 15,4,449

Alp, C.: 1987, Ann Nucl Energy. (U.K) Vol.14, 11, 629.

Ambarzumian, V.A. (a) 1942, Astron. Zh. (USSR), 19, 30.

(b) 1943, Dokl. Akad. Nauk (USSR). 38, 257.

(c) 1943, Diffuse Reflection of light by a boggy medium.

Compt. Nucl. Acad. Sci. (U.R.S.S). 38, 229

1966, Nauka Publishing Co; Moscow, p. 91.

Amosov, A.P., Benoist, P. and Horevit Z, J. : 1957, J. Nucl. Energy, 6, 79.

Amster, H.: 1965, Nucl. Sci. Eng. 22, 254, 22, 262

Andrew, J.B. I and Housen, K.F.: 1968, Nucl. Sci. Eng. 31, 3404

Anerbach, T.: (i) 1961 (b) "Some application of Chandrasekhar's method to Reactor Theory"

BNL 676 (T-225) Physics - TID 4500, 16th Ed). Brookhaven National Laboratory, Upton, New York.

(ii) 1961, Nucl. Sci. Eng. 11, 452

Anerbach, T. ^{Weisenbloom}: 1961, "A Table of Chandrasekhar's H-function Rep. Suppl. BNL - 676 (T-225).

Anselone, P.M., J. Math. Mech. 1961, 10, 537.

Arkuszewski, J., 1967. Nucl. Sci. Eng. 27, 104

Aoyama, M. and Uchi Kawa, S.: 1966, Nucl. Sci. Eng (U.S.A) Vol. 92, 1, p. 42.

- Aronson, H. : 1969, In Neutron Transport Theory Conf. Jan- 20-24, p. 331. Rep. ORD - 3858 - 1 (or CONF 690108), U.S. At Energy Commn. Oak Ridge. Tennessee, 1969, J. Math. Phys. (NY) **II**, 931, 1970.
- Aronson, R.: 1972, Transport Theory and Stat. Phys., **2**, 181.
- Arthur, M.D., Cercignani, C. Angew, Z.: 1980, Math. Phys. **31**, 634.
- Attia, E.A. and Harms, A.A.: 1976, Nucl. Sci. Eng. **59**, 319.
- Avrett, E.H., Hummer, D.G.: 1965, Monthly Notices Roy Astron. Soc. **130**, 295.
- Avrett, E.H. Loeser, R. Smithsonian.: 1966, Astronomical Observatory. Special. Report No. 201, Cambridge.
- Azmy, Y.V.: 1988, Nucl. Sci. Eng. **98**, 29.

Baldonado, O.C. and Erdmann, R.C. : 1970, J. Math. Phys (NY) 11, 855, 1969, Nucl. Sc. Eng. 37, 59. 1969, Jap. J. Appl. Phys. 8, 374. 1969, Trans. Amer. Nucl. Soc. 10, 589. 1967, Nukleonik, 12, 57.

Baran, W.: 1968, Nukhomik, 11, 10.

Bareiss, E.H. and Neuman, C.P. : 1965, Singular Integrals and Singular Integral Equations with a Cauchy Kernel and the method of symmetric pairing. Rep. ANL- 6988, Argonne Nat Lab., Argonne, Illinois.

Bareiss, E.H. and Abu Shumays, I.K.: 1964, In " Transport Theory " (R. Bellman, G., Birkoff, and I. Abu Shumays eds), Soc. Ind. Appl. Math, - Amer. Math. Soc. Proc. Vol. 1, p 37, Amer-Math. Soc., Providence, Rhode Island, (1969) OT: Rep ANL-7328, Argonne Nat Lab., Argonne, Illinois.

Bareiss, E.H.:1964, Decomposition of the Stationary Isotropic. Transport Operator in three independent space. Variables., Rep. ANL-6914, Argonne Nat. Lab.

Barnett, C.S. : 1973, Nucl. Sci. Eng. 50, 398

Beauvers, R. and DeVooght, J.: 1968 Nucl. Sci. Eng. 32, 249.

Becker, M.: 1968, Nucl. Sci. Eng. 31, 458

Bednarz, R.J. and Mika, J. R.: 1963, J. Math. Phys.(NY) 4, 12 85.

Be^oghian, L.E.: 1973, Astrophys and Space Sci., 51 , 78.

Bell, G.I. and Glasstone S., 1970, Nuclear React^on Theory. Van Nostrand-Reinhold, Princeton, New Jersey.

Bell, G.I, Carlson, B.G. and Lathrop, K.D. [Third U.N. Conference on peaceful uses of At. Energy, 2 25].

Bell, G.I., Hausen, G.E., Sand meier, H.A.: 1967, Nucl. Sc. Eng. 28, 376.

Bellmann, R.E., Kalaba, R.E and Wing, G.M.: 1963, 'Invariant Imbedding and Radiative Transfer in Slabs of finite thickness'. Elsevier, Amsterdam.

Bellmann, R.E., K^{aa}giwada, H.H., Kalaba, R.E. and Ueno, S.: 1966, J. Quant. Spect ro. Rad. Trans. 6, 479, (1966).

Benoist, P., Boffi, V.C., Grandjean, P., Kavenoky, A., Molinari, V.G.; Siewert, CE.: 1978 Nucl. Sci. Eng. 68; 217.

Benoist, P., Kavenoky, A and Lorain, H.: 1970(June), Reactor Physics, informal session, Los Angeles, American Nuclear Society.

Benoist, P., Kavenoky, A and Lorain, H.: 1941, Trans. Am. Nucl.Soc. 14, 224.

Benoist, P and Kavenoky, A.: 1968, Trans. Am. Nucl.Soc., 11 549.

Benoist, P and Kovenoky, A.: 1968, Nucl. Sci. Eng. 32 225 and 270.

Berezanski, Yu. M.: 1965, " Expansions in Eigen functions of self-adjoint operators. (Eng. Transl. of Russian, 1965 ed. vol. 17 (Transl of Math. Monograph), Amer. Math. Soc., Providence Rhode Island).

Biberman, L.M. Zh. Eksperim.: 1947, Teor. Fiz., 17, 416.

Bickley, W.G. and Naylon, John.: 1935, Phil. Mag. 20 343.

Bishnu, S.K., Dasgupta, S.R.: 1991, Astrophys and Space Sci., 176, 217, 1992, 196, 65.

Boffi, V.C., Molinari, V. G. and Spiga, G : 1978, Nucl. Sc. Eng. 6, 424.

Boffi, V.C.: 1966, Nucleonik, 8 , 448.

Boffi, V.C.: desocio, L., Gaffuri, G. and Pescatore, C. Mecanica.:1976, II , 183.

Böhm, K.H.: 1960, " Basic Theory of line formation, in stellar Atmosphere". University of Chicago Press, Chicago. Chap. 3.

Boffi, V.C. and Premuda, F.: 1969, Nucl. Sc. Eng. 205.

Bond, G.R.: 1968, "The computational merits of singular eigenfunction expansion method". M.S. Thesis. North Carolina State Univ. Raleigh, North Carolina, (1968).

Bond, G.R. and Siewert, C.E.: 1969, Nucl. Sci. Eng; 35, 277.

Bond, G.R. and Siewert, C.E.: 1971, Astrophys. J. 164, 97.

Bosler, G.E., Metcalf, D.R. : 1972, Trans. Amer Nucl. Soc. 15, 913.

Bowden, R.L. and Bulland, A.G.: 1969, J. Nucl. Energy, 23 655.

Bowden, R.L.: 1963, Thesis, Virginia Polytechnic Inst, Report T.D. 18884,

Bowden, R.L. and McConnell, B.W.: 1969, Nukleonik, 12 269.

Bowden, R.L. McCrosson, F.J. and Rhodes, E.A.: 1968, J. Math Phys.(N.Y) 9 , 753 (1968).

Bowden, R.L. and Williams, C.D.: 1964, J. Math.Phys.NY), 5 ,1527.

Burniston, E.E. and Siewert. C.E. : 1970, J. Math. Phys. (NY) 11, 3091 and 3416

Bremermann, H.J. and Durand, L.: 1961, J. Math. Phys 2 , 240.

Bowden, R.L. and McCrosson, F.J.: 1971, In second conference on Transport Theory, Jan. 26-29, 1971, p.426 Rep. CONF - 710107, U.S. At Energy Comm. Oak Ridge, Tennessee.

Binnemann, D. and Miiler, A.: 1968, Atom Kernenergie, 13, 1.

Burniston, E.E, Siewert, C.E.: , Silven, P and Zweifel, P.F.: 1971, Nucl. Sci. Eng. 45 , 331.

Burniston, E.E., Mullikin, T.W. and Siewert, C.E.: 1972, J. Math. Phys. (N.Y), 13 , 1461.

Busbridge, I.W.: 1960, The Mathematics of Radiative Transfer. Cambridge University Press, London and New York.

Busbridge, S.J.: 1953, Monthly Notices. Roy. Astron. Soc. 113, 52.

Cadilhac, M. and Gilewicz, J.J.: 1967, Nucl. Energy, 21, 907.

Caroll, G and Aronson, R.: 1967, Trans. Amer. Nucl. Soc.; 10, 606.

Carlson, B.G. et al.: 1958, Proc. 2nd Int. Conf. Peaceful uses of energy, United Nations, New York.

Carlson, B.G. and Bell, I.G.: 1959, PICG, P 2386.

Carlstedt, J.L; Mullikin, T.W.: 1966, Astrophys. J. Suppl, (a) 12, 113.;
12, 449.

Carter, C and Rowlands, G.: 1961, Reactor Science and Technology 15, 1.

Case, K.M.: 1960, Ann Phys (NY). 9, 1.

Case, K.M.: 1967, "Developments in Transport Theory" (E.Inonu and P.F
Zweifel, eds) Pl, Academic press, (NY).

Case, K.M.: 1960, (a) Elementary solutions of the transport
equation and their applications. Ann. Phys. (NY) 9, 1.

1961, (b) Recent developments in transport theory.

University of Michigan. Memorial Phoenix project Report.

1969, (c) In "Transport Theory" (R. Bellman, G.B.irkoff
and I. Abu. Shumays, eds). Soc. Ind. Appl. Math. Amer. Math. Soc. Proc.
vol.I, p.17, Amer. Math. Soc. Providence. Rhode Island.

Case, K.M. 1965, (d) Annals of Phys, 7, 34a (1959) and proceedings of Symposia in applied Mathematics 18, 78. Amer. Math. Soc. Providence, R.I.

Case, K.M. and Hazet line, R.D.: 1970, J. Math. Phys. (N.Y), 11, 1126.

1971, J. Math. Phys. (N.Y), 12,

Case, K.M. de Hoffman, F; Placzek, G.: 1953 (a) Introduction to the theory of Neutron Diffusion, U.S.Govt. Printing Office, Washington, D.C.

Case, K.M. and Zweifel, P.F.: 1967 'Linear Transport Theory'. Addison Wesley, Reading. Massachusetts.

1963, J. Math. Phys. 4 , 1376.

Case, K.M; Zelazny, R. and Kanal, M.: 1970, J. Math. Phys. (N.Y) 11, 223

Cassel, J.S.: 1986, Ann. Nucl. Energy (G.B) Vol.13 No.4, p219.

Cereignani, C.: 1992, Annal. Phys. 20, 219.

1965, J. Math. Anal. Appl, 12 , 254.

Cereignani, C;.: 1969, Mathematical Method in Kinetic Theory, Plenum. New York, .

1966, Ann Phys. (N.Y) 40 , 454 .

Chamberlain, J.W., Mc Elroy, M.B. ¹⁹⁶⁶ /Astrophys. J., 144, 1148.

Chandrasekhar, S.: 1950, Radiative Transfer, Oxford Univ. Press.
London and New York, Dover, New York, 1960.

1943, Ap.J. 99, 180

1946a, Ap. J. 103, 351.

1946b, Ap. J. 104, 110 .

1947, Ap. J. 105, 424.

1949, The functions $G_{n,m}$ and $G'_{n,m}$ of order
6 ($m = 6$ and $m > n$). Ap. J. 109, 555

1948, On the Radiative equilibrium of a stellar
atmosphere. XXXIV, Ap. J. 108, 92

Chernick, J and Vernon, R., 1958, Nucl. Sci. and Eng., 4, 649.

Churchil, R.V. 1958, Operational Mathematics (Mc Graw Hill, NY).

Cohen, E.B., 1973, Nucl. Sci. Eng. 52, 280.

Collatz, S.: 1965, Kernerergie, 8 , 283.

1966, Kernerergie, 9, 329

Colombo, V, Ravetto, P, Sumini, M.: 1988, J. Compt. Phys (U.S.A)
Vol.77 , No. 2, 318.

Compton, K.J.: 1922, Phys. Rev. 20, 283.

Coppa, G. Ravetto, P. and Sumini, M.: 1987, Atom Kernerenerg Kerntech
(Germany) vol. 49 , No. 4, 232.

Corngold, N.: 1966, Nucl. Sci. Eng. 19, 80. 24 , 410.

Corngold, N., Michel, P. and Wollmann, W.: 1963, Nucl. Sci. Eng. 15 , 13.

Cramer, S.N.: 1988, Nucl. Sci. Eng. (USA) Vol.98, No.4, 279.

^{AS} Crobie, A.L., Viskanta, R.: 1970a, J.Q.S.R.T, 10, 487.

1970b, J.Q.S.R.T, 10, 465.

Cukier, R. I. and Hynes, J.T.: 1976, J. Chem. Phys. 64, 2674.

Das, R. : 1978, Astrophys. & Sp. Sci 59 , 419 ; 59 , 429

1979 " " 63 , 155 ; 60 , 759.

Das Gupta, S.R. and Dasgupta, S. : 1984, Astrophysics Space. Sci., 103, 81.

Dasgupta, S. R., Karanjai, S.K.: 1972, Astrophysics Space Sci. 18, 246.

Das Gupta, S.R., Das Gupta, S. : 1987, Astrophysics Space Sci. 138,403.

Daniel, R., Pomraning, G.C. and Larsen, E.W.: 1982. Transport Theory. Stat. Phys. 11 , 75.

Davis, J-A.: 1966, Nucl. Sci. Eng. 25, 189.

Davison, B.: 1945, Angular Distribution Due to an Isotropic point source and spherically symmetrical Eigen Solutions of Transport Equation, Rep MT - 112 or (NRC 1551) Nat. Res. Coun. Can. Ottawa.

Davison, B.: 1946, Milne Problem in a Multiplying medium with a linearly Anisotropic Scattering. Rep CRT - 358, or (NRC 1136) Nat. Res. Coun. Can. Ottawa.

Davison B.: 1951, Proc. Phys. Soc. A 64 , 881

1957, Neutron Transport Theory, Oxford University Press London and New York.

Devaux, C., Grandjean, P. Ishiguro, Y., and Siewert, C.E.: 1979, Astrophysics. Space. Sci. 63 , 225.

Das Gupta, S.R.: 1956, Sci. Cult. 22, 177.

1957, 22, 520,

1958, 28, 870.

1957, Ind. J. Theo. Phys. 5, No.2, 39

1958, Vol. 6 No.2, 39

1958, Vol. 5, p.89,

1958, Vol. 6, 77.

Das Gupta, S.R.: 1974, 30, 327 ,

1977, 50, 187,

1978b, 56, 21 ,

1980a, 70, 191.

Das Gupta, S.R., Bishnu, S.K.: 1981, Astrophysics Space Sci. 74, 131.

Das Gupta, S.R., Islam, Z; Bishnu, S.K.: 1980a, Astrophysics Space Sci. 70, 191.

Das Gupta, S.R., Islam, Z; Majee, B.: 1980b, Astrophysics, Space Sci. 72, 191.

Das Gupta, S.R., Islam, Z., Majee, B, Kolbid, K.S.: 1982, Astrophysics space Sci. 86 , 131.

Deaux C and Siewert, C.E ; Angew, Z.: 1980, Math. Phys. , 31 , 592.

De vaux, C. Siewert, C.E and Yuan. Y.L.: 1982, Ap. J. 253, 773.

1976
Dionysiou, D.D.,/Nuovo Cim, 33 B,519;

1976, 35 B, 363.

1977, Lett. Nuovo Cin, 19, B 83.

Dobrowotny, M.: 1968, Engel mann, F., Nuovo Cimento, 39, 965.

Doctor, R.D. and Erdamann, R.C.: 1968, Trans. Amer. Nucl. Soc. 11, 553

Dongarra, J.J., Bunch, J.R., Moler, C.B. and Stewart, G.W.: 1979,
' ' LINPACH USers' Guide' ' SIAM, Philadelphia.

Dorning, J. and Thurber, J.K.: 1968, Trans. Amer. Nucl. Soc. 11, 580.
in Neutron Transport Theory conf. Jan. 20-24, (1969p.1, ORO-3858 - 1
(or CONF - 690 108), U.S. At Energy Comm., Oak Ridge, Tennessee, (1969).

Doyas, R.J. and Mc Cormick, N.J.: 1968, Transport Corrected Boundary
Conditions for Neutron Diffusion Calculations. Rep. VCRL - 50 443,
Lawrence R Lab., Livermore, California.

Doyas, R.J. and Kopnen, B.L.: 1970, Nucl.Sci.Eng. 41, 226

Dubi, A and Horowitz, Y.S.:1978, Nucl.Sci.Eng. 66, 118

Duderstadt, JJ.: 1969, J. Math.Phys. (NY)10, 286

Dunn, W.L, Garcia, R.D.M and Siewert, C.E.. 1982,Astro.J. 260,849.

- Eccleston, G.W. Jr. and Mc.Cormick, N.J.: 1970, Nucl. Sci. Eng. 24, 23
- Eddington, A.S.: 1929, Monthly Notices Roy. Astron. Soc., 89, 620.
- Einstein, A; Infeld, and Hoffman, B: 1938, Ann. Math. 39, 65
- Einstein, A; and Infeld, L.:(a) 1940, Ann Math. 41, 455
- (b) 1949, Com. J. Math. 1, 209.
- Ehrlich, R. and Hurwitz, H(Jr): 1954, Nucleonics , 12, 23.
- Elliott, J.P.: 1955, Proc. Roy, Soc. (London) 228, 424, 1966a.
- Erdmann, R.C.: (a)1966, Ph.D. Thesis. California, Institute of Technology
- (b)1967, J.Math. Phys. 8, 1040.
- (c)1969, J.Nucl. Energy, 23, 53.
- Erdmann, R.C. and Lurie, H.: 1967, Nucl. Sc. Eng. 28, 190 and 198.
- Erdmann, R.C. and Siewert, C.E.: 1968, J. Math. Phys. (N.Y), 9, 81.
- Erdmann, R.C. and Sotoo dehnia, A.: 1970, J. Math. Anal. Appl. 31,603.

17
Feiz, M and Rohach, A.F.:1988, Ann. Nucl. Energy(UK).Vol.15.No.8,389

Ferziger, J.H and Leorand, A.: 1963, Ann.Phys.(NY), 22, 192.

Ferziger, J.H. and Robinson, A.H.: 1965, Nucl.Sci.Eng.21, 382.

Ferziger, J.H. and Simmons, G.M.: 1966, Inst. J. Heat.Mass.Transfer.
9, 987

Ferziger, J.H. and Zweifel, P.F.:1966, The Theory of Neutron Slowing
down in Nuclear Reactors. The M.I.T. Press.

Finn, G.D.: (a) 1967, Astrophys. J. 147, 1085.

(b) J.Q.S.R.T, 11, 203.

Finn, G.D and Jefferies, J.T.: 1968, J.Q.S.R.T, 8,1675

Flugge, S.: 1959, Hand buck Der Physik, Springer Verlag, Berlin.

Forster, R.A. and Metcalf, D.R.:1969, Trans. Am. Nucl. Soc., 12, 637

1970, Trans. Am. Nucl. Soc. 13,627

Frochch, R. et. al. : 1969, Nucl.Sci.Eng., 36, 257

Fuchs, K and Collatz, S.: 1964, Kernenergie, 7, 386.

Fuller, F.B. and Warming, R.F.: 1970, Astrophys.Space Sci., 7, 93

Fymat, A.L. and Abhayankar, K.D.: 1970; Appl. Opt. 9, 1975.

Fymat, A.L. and Vasudevan, R.: 1975, Astrophys and Space, Sci., 38, 9

Ganapol, B.D. and Grossman, L.M.: 1973, Nucl. Sci. Eng., 52, 454

Ganapol, B.D. and Filippone, W.L.: 1983, Trans. Am. Nucl. Sci., 783, 74.

Ganapol, B.D., Peddicord, K.L. and McKents, P.W.: 1977, Nucl. Sci. Eng.; 64 , 317.

Ganguly, Keshab; Sengupta, A.: 1981, Nucl. Sci. Eng. 13, 1980, Nucl. Sci. Eng.; 74, 1 , 1986, Nucl. Sci. Eng. 43, 308.

Garcia, R.D.M.: 1985, Transport Theory Statist. Phys. 14(4), 391.

Garcia, R.D.M. and Siewert, C.E.^a: 1980, Nucl. Sci. Eng. 76, 53, 1981, 78, 315, 1982; 81, 474, 1983, 50, 181.

b. 1981, J.Q.S.R.T, 25, 277 ,

1982, 27, 141

c. 1982, J. Comput. Phys. 46, 237,

1983, 50, 181, ..

Garcia, R.D.M, Pomraning, G.C. and Siewert, C.E.: 1982, Plasma Physics. 24 , 903.

Garnetson, G. and Leonard. A.: 1970, J. Math. Phys. (NY) 11, 725.

Gebbie, K.B. and Steinitz, R.: 1973, Solar Physics, 29, 3.

Gell, G. and Pucker, N., Nukleonik.: 1968, 12, 38

Gelbard, E.M. "Computing Methods in Reactor Physics", Green Span, Kelbar and Okrent eds. Gordon and Breach.

Gelfand, L.M. and Shilov, G.E.: 1964, Generalised Functions, Vol. 1, Vol. III (Transl. of Russian 1958 ed), Academic Press, NY.

Gerber, W.J.: 1968, A Numerical investigation of Approximate Solution to the Transport Equation. M.S. Thesis. Univ. Calif. at Los Angeles, Los Angeles. California.

Gibbs, A.G.^a 1970, Trans. Amer. Nucl. Soc; 13, 695.

b. 1969, J. Math. Phys. (NY), 10, 875. in Neutron Transport Theory Conf. Jan 20-24, p 587, Rep. ORO -3858-1 (or Conf- 6901087., U.S. At. Energy Comm. Oak Ridge, Tennessee.

Gilewicz, J.: 1962, Nukleonika, 7, 3

Glasstone, S. and Edlund, M.C.: 1954, The Elements of Nuclear Reactor Theory, D. Van. Nostrand Company, Inc. NY.

Goertzel, G and Trailli, N.: 1960, Some Mathematical Methods of Physics McGraw-Hill, NY.

Gokhov, F.D.; 1966, Boundary Value Problems of (Russian 1963ed) Pergamon, Oxford.

Goldstein, R., 1968, Nucl. Sci. Eng. 18, 412.

- Grandjean, P. and Siewert, C.E.: 1969, Nucl. Sci. Eng. 69, 161.
- Grant, I.P. and Periah, A.: 1972, M.N.R.A.S, 160, 239.
- Gritton, E.C. and Leonard, A.: 1969, Nucl. Sci. Eng.,
- Gratt, L.B. and Erdmann, R.C.: 1969, Trans. Amer. Nucl. Soc. 12, 215
- Gratton, L.: 1937, Soc. Astron. Ital. 10, 309.
- Halpern, O. and Luneberg, R.K.: 1949, Phys. Rev., 76, 181.
- Halpern, O., Luneberg, R.K; Clark, O.: 1938, Phys. Rev. 53, 173.
- Hardy, H., Littlewood, J.E. and Polya, G.: 1952, Inequalities, Cambridge Univ. Press. (London and New York).
- Harris, D.L.: 1957, Ap. J. 126, 408.
- Haungs, G.: (a) 1966, Atom Kernenergie, 11, 19.
(b) 1966, Nukleonik, 8, 348 and 356.
- Hauser, W and Feshbach, H.: 1952, Phys. Rev., 87, 366.
- Heaslet, M.A.; Warming, R.F. (a) 1968a, J.Q.S.R.T., 6, 751,
1968b, J.Q.S.R.T., 8, 1101.
(b) 1968a, Astrophys. Space. Sci. 1, 460.

Heinzel, P.: 1986, J,Q,S,R.T, 25 , 483.

Henderson, D.L. and Maynard, C.W.: 1989 Judge, Vol.120, No.2.

Hendry, W.L.: 1967, Nucl. Sci. Eng. 30, 307,
1967, Nucl. Sci. Eng. 27, 143.

Hendry, W.L. Lathrop, K.D, Vander Voort, S.and Wooten, J.: 1970,
Bibliography on Neutral Particle Transport Theory, Rep. L.A-4287- MS
Los Alamos, Sco. Lab, Las Alamos, New Maxico.

Henry, L.G.: 1941, Proc. Nat. Acad. Sci. 26, 50.

Henry, A.F.: 1958, Nucl. Sci; Eng. 3,52.

Hoare, N.R.: 1971, Adv. Chem. Phys., 20 , 135

Hoare, M.R. and Rahman, M.: 1973, J. Phys. A. 6, 1461.

1974, 7, 1070.

1976, 9, 77.

Hoare, M.R. and Kaplinsky, C.H.: 1975, Physica, 81 A, 349.

Holstein, T.: 1947, Phy. Rev. 72 , 1212

1951, Phy. Rev. 83, No.6, 1159.

Hopf, E.: 1964, Mathematical Problems of Radiative Equation, Cambridge University Press. London and New York; Stechert. Hafner, NY.

Horak, H.G.: 1952, The Transfer of radiation by an emitting atmosphere
Astrophys. J. 110, 477.

Horak, H.G. and Chandrasekhar, S.: 1961, Ap. J. 134, 45.

Huang, Su-Shu.: 1952, Phy. Rev. 88, 50.

Hulst Vande, H.C.: 1948, (a) Scattering in a Planetary Atmosphere,
Astrophys. J. 107, 220.

1964, (b) Carus, 3, 336.

1968, (c) J. Comput. Phys. 3, 291.

1971 (d) Bull. Astron. Inst. Meth. 20, 77 (1968)

in Planetary Atmospheres (C. Saga , T.C D. Reidel, Dordrecht- Holland

Hummer, D. G.: 1962, M.N.R.A.S.; 125, 21

1968, 238, 73.

1969, 145, 95.

1963, J.Q.S.R.T, 3, 101.

1964, Astrophys, J ., 140, 276.

Hummer, D.G. and Rybicki, G.B.: 1966, J.Q.S.R.T. 6, 661.

Hummer, D.G. and Stewart, J.C.: 1966, Ap. J. 146, 290.

Hufwitz, Jr. H. and Zweifel, P.F.: 1955. J. Appl. Phys., 26, 923.

Hufwitz, Jr. H; Nelkin, M.S., and Habetler, G.J.: 1956, Nucl. Sci. Eng. 1, 280.

Hyder, C.L. and Lites, B.W.: 1970, Solarphys. 14, 147

Inönü, E. and Usseli, A.I.: 1965, Nucl. Sci. Eng. 23, 251.

Inönü, E.: 1970, J. Math. Phys. 11, 568.

Isaccson, E. and Keller, H.B.: 1966, Analysis of Numerical Methods, Wiley, N.Y.

Islam, Z., Dasgupta, S.R.: 1984, Astrophys and Space Sci. 106, 355

Ivanov, V.V. (a) 1969, Transfer of line Radiation (English Translation of Russian).

(b) 1960, Vestn. Leningr. Univ.; No. 19, 117

(c) 1962a, Uch. Zap. Leningr. Univ. 307, 52

1965, 328, 44

(d) 1962b, Astron. Zh; 39, 1020.(

1963, 40, 257

1964a, 41, 44 , 1964b, 41, 1097, 1972, 42, 115.

(e) 1967, Bull. Astron. Inst. Neth. 19, 192.

(f) 1968, Astrophysika, 4, 5 ; 6, 643 (1970c).

(g) 1970a, J.Q.S.R.T. 10, 665, 1970b, 10, 681.

(h) Transfer of Radiation in spectral lines English Language Edition of Radiation Transferred spectral of celestial bodies. N.B.S. special publication 385.

Ivanov, V.V. and Nagirner, D.I.: 1965, *Astrophysika*, 1, 143; 2, 147.

Jauho, P. and Rayamaki; 1971, *Nucl. Sci. Eng.* 43, 145.

Jauho, P. and Silvennoinen, P.: 1969, *Nucl. Eng.* 38, 125.

Jaynes, E.T.: 1968, *IEEE. Trans. Inform. Theory* 14, 611.

Jefferies, J.T.: 1968, *Spectral line formation*. Blais dell, waltham, Mass.

Jefferies, J.T; and Thomas, R.N.: 1959, *Astrophys. J.*, 127, 667, 129, 401.

Jefferies, J.T. and White, O.R.: 1960, *Astrophys. J.* 132,

Jepson, D.W.: 1965, *J. Math. Phys.* 6 , 405, .

Jhanke, E and Emde, F.: 1943, *Tables of Functions with Formulae and Curves*, Dover Publication, New York.

Jörgens, K.: 1958, *Comm. Pure Appl. Math.*, XI, 219.

Kampen, N.G.: 1955, On the theory of stationary waves in plasmas, Physica, 21, 949.

Kanal, M; J.: 1972, Mathematics. Phys. (N.Y). 13, 1013.

Kaplan, S.: 1963, Trans. Am. Nucl. Soc. 6 3.

Kaplan, S and Gelband, E. M.: 1965, J. Math. Anal. Applie . 11, 538.

Kaplan, S, et al, : 1965, Proc. Third. U.N. Conf. On peaceful use of A. t. Energy, 41, 41.

Kaper, H.G.: 1967, J. Math. Anal. Appl. 19, 207.

Kaper, H.G. : 1969, J. Math. Phys. (N.Y) 10, 286

1966, One speed Transport with Anisotropic Scattering Application to the slab Albedo problem. Part I, Theory. Rep. TW-37, Math. Inst. Univ. Groningen, Groningen.

Kaper, H.G.: Shultis, K, and Veninger, J.G.: J. Comput. Phys. 6 2.

Kaper, H.G., Ferziger, J. H. and Loyalka, S.K.: 1968, In Neutron Thermalisation and Reactor spectra, vol. 1, p. 95 Int. At Energy Ag.

* Vienna.

Kaper, H.G; Shultis, J. K. and Veninga, J. G.: (a) 1970, Comp. Phys. 6, 288

(b) One speed Transport Theory with Anisotropic Scattering. Part 2. Numerical Evaluation of the

exact slab Albedo problem solution. Rep. TW - 65, Math. Inst. Uni.
Groningen, Groningen.

Kavenoky, A. : (a) 1968, Nucl. Sci. Eng. 65, 225

(b) 1978, Nucl. Sci. Eng. 65, 209.

Kelley, C.T. and Müllikin, T.W.: 1982, Integral Equation. 4 , 77.

Keilson, J. and Stoner, J.E.: 1952, Q. Appl. Math, 10, 243.

Kenty, C.: 1932, Phys. Rev. 42, 823.

Kholin, S.A.: 1964, U.S.S.R Comp. Math. and Mathematical Physics, 4, 213

Kibble, B.P., Capley, G, and Krause, L.: 1967, Phys. Rev. 153, 9

Kerner, I.O., Kiesewetter, H. and Von Weber, S.: 1967, Kernenergie, 10,
299

Kiesewetter, H.: 1967, Kernenergie, 10, 8.

Kiesewetter, H. and Kruse, R.: 1968, Kernenergie, 11, 3.

Kladnik, R.: (a) 1964, Nukleonik, 6 , 147.

(b) 1965, Nucl. Sci. Eng. 23, 291.

Kladnik, R and Kůřer, I.: 1961, Nucl. Sci. Eng. 11, 116

1962, Nucl. Sci. Eng. 13, 149

Kline, T and Kušcer, I.: 1971, Transp. Theory and Statist. Phys. 1, 41.

Kobayashi, K.: 1986 (March) Nucl. Sci. Eng. (USA). Vol. 92. No. 3, 397 and 407.

Kobayashi, K. et al. : 1968, Nukleonics, 11, 187

Kobayashi, K., Oigawa, H. and Yamagata, H.: 1986, Ann. Nucl. Energy (G.B) Vol. 13, No. 12, 663.

Kofink, W.: 1967, Nucl. Sci. Eng. 6 , 475

1967, In 'Developments in Transport Theory' (Inonu, E. and Zweifel, P.F. eds) p. 149, Academic Press, NY.

Koppel, J. U. 1963, Nucl. Sci. Eng. 16, 101

Korn, A.: 1967, Neukleonik, 9, 237.

1968, Neukleonik, 10, 78.

Kourganoff. V.: 1963, Basic Methods in Transfer Problems. Oxford University Press. London and New York, 1952, Dover, NY.

Kowalska, K.: 1966, Nucl. Sci. Eng. 24, 260. Tables of the Functions $X(C-\nu)$ and $X^2(C_1, C_2)$ for the numerical solution of slab geometry neutron Transport Problems Parts I and II. Rep. 630/IX-A/ PR. Instytut Badan, Jadrowych, Warsaw, (1965).

Krainer, H and Pucker, N.: 1969, Atom Kernenergie, 14, 4, 11.

Kramers, H.A.: 1940, Physica, 7, 184.

Kriese, J.T. and Siewert, C.E.: 1971, Astrophys. J. 164, 389.

Kriese, J.T., Siewert, C.E. and Yener, J.: 1973, Nucl. Sci. Eng. 50

Kubo, R.: 1957, Proc. Phys. Soc. Japan. 12, 570.

Kumar, V. , Sahni, D.E.: 1987, Divi of Theo. Phys. Bhaba. A. Res. Centre , Bombay, India.

Kuščer, I.: (a) 1953, Can. J. Phys. 31, 1187.

(b) 1962, J. Nucl. Energy. 16, 379.

Kuščer, I.: 1967, In Developments in Transport Theory, (E. Inonu and P.F. Zweifel eds) p.243, Academic Press, NY.

Kuščer, I.: 1956, J. Math. Phys (Cambridge, Mass) 34 , 256.

Kuščer, I. and Carngold, N.: 1965, Phy. Rev. A. 139, 981.

Kuščer, I, Mc Connick, N.J. and Summerfield, G.C.: 1964, Ann. Phys. (NY), 30, 411.

Kuščer, I and Ribaric, M.: 1958, Nuovo Cimento, [10], 7 , 451.

Kušcer, I and Shu , F. : 1967, J. Math. Phys. 8 , 823.

Kušcer, I. and Vidav, I.: 1969, J. Math. Anal. Appl. 25, 80

Kušcer, I and Zweifel, P.F.: 1965, J. Math. Phys., 6, 1125.

Kuzell, A. : 1961, Acta Phys. Pol. 20, 567

Laletin, N.I.: 1966, Atom naya. Energiya, 20, 509.

Latetin, N.I. and Boyarinov, V.F.: 1986 Nov. Sov. Al. Energy. (USA).
Vol. 61 No.5 869.

Lam, S.K. and Leonand, A. : 1971, (a) J. Quant. Spectrose. Radiat
Transfer, 11, 893, in second conf. on Transport Theory; Jan.26-29,
(1971), p. 325. Rep. Conf - 710107, US. At. Energy . Oak Ridge,
Tennessee, 1971.

Lame, A.M., Lynn, J.E.: 1957, Proc. Phys. Soc. London A 70, 557.

Landau, L.: 1946, J. Phys. UssR 10, 25.

Larsen, E.W.:(a) 1975, J. Math. Phys. 16, 1421.

(b) 1981, Prog. Nucl. Energy. 8, 203.

(c) 1893, Nucl. Sci. Eng. 83, 90.

Lansen, H.A. and McCormick, N.J.: 1971, Transp. Theory. Statist. Phys
1 , 5.

1973, Nucl. Sci. Eng. 50, 10.

Lansen E.W. Pomraning, G.C. and Badham, V.C.: (a) 1980, Math. Phys. 21, 2448.

(b) 1982, J. Math. Phys. 23, 815.

Lansen, E.W and Mullikin, T.W.: 1981, J. Math. Phys. 22, 856.

Lansen, E.W, Zweifel, P.F.: 1976, SIAM. J. Appl. Math., 30, 732.

Lauverier, H.N.: 1963, Arch. Rat. Mech. Anal. 13, 157.

Lathrop, K.D., (a) 1964, Anisotropic Scattering Approximations in the Boltzmann Transport Equation. Rep. LA-3051, Los Alamos. Sci. Lab. Los Alamos, New Mexico.

(b) 1965, Nucl. Sci. Eng. 21, 498.

Lathrop, K.D. and Leonard, A.: 1965, Nucl. Sci. Eng. 22, 115.

Leobowitz, J.L. and Percus, J.K.: 1967, Phys. Rev. 155, 122.

Leonard, A.: (a) 1961, Nucl. Sci. Eng. 32, 342.

(b) 1971, Math. Phys. (N.Y) 12, 754.

Leonard, A. and Ferriger, J.H.: 1966, Nucl. Sci. Eng. 26, 170, 181
1967, 27, 104.

Leonard, A and Mullikin, T.W.: 1964, J. Math. Phys. (NY) 5, 399.

Lenoble, J. ed.: 1977, 'Standard Procedures to compute Atmospheric Radiation Transfer in a Scattering Atmosphere,' National Centre for Atmospheric Research, Boulder, Colorado.

Leuthauser, K.D. (a) 1969, Atom Kernenergie, 14, 171, 254.

(b) 1970, Atom Kernenergie, 16, 253

(c) 1971, Nucl. Sci. Eng, 18, 158

(d) 1971, Nucl. Sci. Eng. 43, 348.

Levich, V.G.: 1940, On the Theory of resonance fluorescence ZU. Eksperim. i. Teor. Fiz, 10, 1293.

Lewis, E.E.: 1969, Trans. Am. Nucl. Soc. 12, 428.

Lewis, E.E. and Miller, W.F.J.: 1984, Computational Methods of neutron Transport John Wiley and sons. New York.

Loyalka, S.K and Cipolla. Jr. J.W.: 1988, Nucl. Sci. Eng. (USA) Vol.99 No.2, 118.

Loyalka, S.K. and Petrellis, N. Storvick, T.S. and Angew, Z.: 1979, Math. Phys. 30, 514.

Lundquist, C.A. and Horak, H. G.: 1955, The Transfer of radiation by an emitting atmosphere, IV, Astrophys. J. 121, 175.

Maiorina, J.R. and Siewert, C.E.: (a) 1980, Ann. Nucl. Theory, 7, 536.
(b) 1980, J. Quant. Spectrose. Radiat. Transfer, 24 , 159.

Marchuk, G.I and Lebedev, V.I.: 1971, " Numerical Methods in Neutron Transport Theory". Atomizdat, Moscow.

Mark, J.C.: 1943, Milne's Problem for Anisotropic Scattering. Rep. MT-26, Nat. Res. Conn. Can. Ottawa.

Mark, J.C. (a) 1944, The spherical Harmonics Method I and II, Nat. Res. Council. Canada, At. Energy. Reports MT 92, ~~MT~~. 97 (1945).
(b) 1947, Phy. Rev; 72, 558.

Marshak, R.E.: (a) 1947, Phy. Rev., 71, 688.
(b) 1947, Rev. mod. Phys., 19, 185.

Marshak, R.E.: 1947, The Milne Problem for a Large Plane Slab with Constant Source and Anisotropic Scattering. Phys. Rev. 71, 443.

Martin, W.R. and Duder Stadt, J.J.: 1977, Nucl. Sci. Eng. 62, 371.

Maslennikov, M.V.,^{1967,} /At. Energy Rev. 5 , No. 2 59 ., " Problem Milnas anizotropnym rasseyaniem" Tr. Mat. Inst. in Steklova 4 , Nanka , Moscow, 1968.

Mathews, K.A and Patterson Wright .: 1988, Nucl. Sci. Eng. (USA) Vol. 98 No. 1, 41.

35
McCormick, N.J. (a) 1969, Nucl. Sci. Eng. 37, 243.

(b) 1967, Astrophys. J. 147, 816

McCormick, N.J. and Doyas, R.J.: 1969, Nucl. Sci. Eng. 37, 308

McCormick, N.J. and Mendelson, M.R.: 1964, Nucl. Sci. Eng. 20, 462.

McCormick, N.J. and Kušcer, I: (a) 1965, Math. Phys. 6, 1939, 7, 2036
(1966).

(b) 1971, Transport Theory Statist. Phys.
1, 1.

(c) 1966, Trans. Amer. Nucl. Soc, 9, 444

(d) 1973, Adv. Nucl. Sci. Tech, 7, 181.

McCormick, N.J. and Saucher, R.J.: 1981, Math. Phys. 22, 199

McCoubrey, A. and Holstein, T.: 1949, Phys. Rev. 76, 1257.

Melnerney, J.J.: 1963, , Nucl. Sci. Eng. 16, 460.

1964, 19, 458

1965, 22, 215

Meghreblian, R.V and Homes, D.K.: 1960, Reactor Analysis, McGraw Hill,
New York.

Mehner, J.: 1968, Nukleonik, 11, 182

Meister, G.; Atomkernerengie: 1970, 15, 109.

Meister, G.: 1967, Strenge Lösung der energie unabha Agingen Neutronen transport gleichung für eine dünne eingebettete schicht. Rep. Jul-484-RE, Kernforschungsanlage Julich, Julich, Germany.

Mendelson, M.R.: 1966, J. Math. Phys. (N.Y). 7, 345.

Mendelson, M.R. and Summerfield, G.C.: 1964, J. Math. Phys. 5, 668 and 1804.

Menzel, D.: 1936, Astrophys. J. 84, 462.

Meyer, J-F. and Jacob, A.M.: 1970, Nucl. Sci. Eng., 40, 239.

Met-Calf, D.R. and Zweifel, P.F.: 1968, Nucl. Sci. Eng. 33, 307 and 318.

Mica, J.R.: 1961, Nucl. Sc. Eng. 11, 415 ,
1965, 22, 235
1966, 7 , 833

Mihalas, D.: (a) Stellar Atmosphere W.H. Freeman and Co.San.Fran.
(b) 1981, J.Q.R.S.T. 25, 145.

Mikhlin, S.G.: 1964, Integral Equations Pergamon Press, Inc. Long. Island City, N.Y.

Mika, J.R.: (a) 1961, Nucl. Sci. Eng. 11, 415.
(b) 1962, Nukleonika, 7, 381

Milkey, R. and Mihalas, D.: 1973, Ap.J. 185, 709.

Milne, E.A. (a) 1926, J. London. Math. Soc. I I

(b) 1928, M.N.R.A.S., 88, 4 93.

(c) 1931, Radiative Equilibrium in the outer layers
of a star, M. N. 81, 361.

(d) 1929, 'The structure and Opacity of a Stellar Atmosphere', Phil, Trans. Roy. Soc. of London (A),
228, 421.

Handbuch der Astrophysik, Vol. III, Chap. II, 'Thermodynamics of the stars', 70-172, J. Springer, Berlin.

Minin, I. N.: 1958, DOKI, Akad. Nauk. SSSR, 120, 63.

Mistis, G.J.: (a) 1963, Transport Solution to the Monoenergetic
Critical Problems'' Argonne National Lab. Rep. ANL. 6787.

(b) 1963, Thesis. University of Michigan

(c) 1963, Nucl. Sci. Eng. 17, 55.

Mitchell, A.C.G. and Zemausky, M.W.: 1934, Resonance Radiation and
excited atoms(The Macmillan Co, NY.

Mockel, A.: 1967, Nucl. Sci. Eng. 29, 43 and 51.

Modak, R.S.:1986, Nucl. Sci. Eng. 'U.S.A' Vol. 92, No.4, 606.

Mohan Rao, D; Rangarajan, K.E and Peraiyah, A.: 1984, Astrophys. Astro.
5, 169.

Mokhtan, M.,Kharroubi.: 1987, Transp. Theo. Stat. Phys. (USA)Vol.16,
7, 935.

Monrad, S.A. and Siewert, C.E.: (a) 1969, Astrophys. J. 155, 555.
 (b) 1970, Doctoral Dissertation N. C. State University.

Moyal, J.E. J. Roy.: 1949, Stat. Soc. B. 11, 150.

Morse, P.M. and Feshbach.: 1953, Method of Theoretical Physics. McGraw Hill, NY.

Mullikin, J.W. (a) 1963, Astrophysics. J. 136, 627
 1964, 139, 379
 1966, 145, 886
 (b) 1963, Trans. Am. Math. Soc. 113, 316
 (c) 1980, "Some Singular Integral Equations in Linear Transport Theory", Sand-80-1069, Sandia National Laboratories.

Mullikin, J.W. and Siewert, C.E.: 1980, Ann. Nucl. Eng. 7 , 205.

Munch, G. Theory of Model Atmospheres, in stellar atmospheres, J.L. Greenstein, ed. Univ. of Chicago Press. Chicago. Chap. 1.

Mushkhelishvili, N.I.: 1953, Singular Integral Equations, Noordhoff, Groningen.

Nagirner, D.I.: (a) 1964a, Astro. Zh; 41, 669

(b) 1964b, Veotn, Leningr. Univ.; No.1, 142.

(c) 1967, Astrophysika, 3, 293.

(d) 1968, Uch. Zep. Leningr. Univ., 337, 3.

(e) 1969, Astrophysika, 5, 507.

Nagirner, D.I.; Ivanov, V.V.: 1966, Astrophysika, 2, 5.

Nagirner, D.I. and Schneeweis, A.B.: 1973, Uch. Zap. Leningr. Univ., 363, 16.

Nagy, M.E., Shaat, M.K., Metwally, A.M; E.L. Missiry, A.M.: 1988, Kern. Fehnik West Germany, 52, No. 1, 34.

Nesha, K. and Malorino. J.R.: 1980, Ann Nucl. Energy, 7, 535.

Nestell, M.K.: 1965, The convergence of the Discrete Ordinate Method for
Integral Equations of Anisotropic Radiative Transfer, Ph.D.
Thesis- Ovegon State Univ. Carvallis, Ovegon.

Newman, P.A. and Bowden, R.L.: (a) 1970, J. Math. Phys. (N.Y) 11, 2445.

(b) 1970, Nucl. Sci. Eng. 41, 309.

Nikol^âenko, B.T.: 1970, Math. Phys. (N.Y). 11, 174.

Nikolaenko, B. and Zweifel, P.F.: 1968, In Neutron Thermalisation and
Reactor spectra, vol.1, p.63, Int. At. Energy Ag, Vienna.

Noble, B.: 1958, "The Wiener-Hopf Technique".

Nonnenmacher, Th.: (a) 1967, Atom. Kernenergie, 12, 183.

(b) 1967, Nukleonik, 10, 275,.

Ohta, T, Kmura, T; and Hiida, K.: 1975, Nucvo. Cim. 27 B, 103.

Osterbrock B.E.: 1962, Astrophys. J. 135, 195.

Off, K.O. and Meneley, D.A.: 1969, Nucl. Sci. Eng. 36, 402.

Oxenius, J.: 1965, J. Quant. Spect. Racl. Trans. 5 , 711

1966, 6 , 65.

Ozisik, M.N.: 1973, Radiative Transfer and Interaction with conduction and convection, Wiley, N.Y.

Ozisik, M.N and Siewert, C.E.: 1970, Nucl. Sci. Eng. 40, 491.

Pach Patte, B.G.: 1986(april) J. Math. Phys. Sci . (India) vol. 20. No.2
193.

Pahor, S.: 1966, Nucl. Sci. Eng. 26, 192 .

1967, 29, 248.

1968, 31, 110.

Pahor, S and Gros, M., Tellus.: 1970, 22, 321.

Pahor, S and Kušcer, I.: 1966, Astrophys. J. 143, 888.

Pahor, S and Larson, H.A.: 1972, Nucl. Sci. Eng. 48, 420.

Pahor, S and Shultis, J.K.: (a) 1969, J. Math. Phys.(NY), 10, 2220.

(b) 1969, J. Nucl. Eng. 23, 477.

Pahor, S and Zweifel, P.F.: 1969, J. Math. Phys. (N.Y), 10, 581.

Papmehl, N.: 1966, Nucl. Sci. Eng. 24, 307.

Papmehl, N and Zech, S.: 1972, Nucl. Sci. Eng. 47, 435.

Peraiah, A.: 1978, Kodaikanal Obs. Bull. Ser. A. 2, 115.

Phelps, A.V.: 1960, Phys, Rev. 118, 1561.

Pitkaranta, J.: 1975, Transport. Theory and Statistical Phys. 4, 1.

Placzek, G.: 1947, Phys. Rev. 72, 556.

Placzek, G and Seidel, W.: 1947, Phys. Rev. 72, 550.

Pollack, I and Bareiss, E.: 1965, Spherical Representation and
Criticality Problem of a two region cell Transport Operator. Rep. ANL-
6590, Argonne. Nat. Lab, Argonne, Illinois.

Pomraning, G.C. (a) 1964, Ann Phys, 27, 2, 193.

(b) 1965, Nucl. Sci. Eng. 21, 62.

(c) 1965, Trans. Ann. Nucl. Soc. 8, 488.

(d) 1970, Ap. J., 159, 119.

(e) 1981, Prog. Nucl. Energy, 8, 215.

Pomraning, G.C. and Clark, M. Jr.: 1963, Nucl. Sci. Eng. 16, 147;

1963, 17, 227.

Pvei Senderfer, R.W.: 1965, "Radiative Transfer on Discrete Spaces", Pergamon, Oxford.

Raghab, H.P.: 1987, Ann. Nucl. Energy. (S.B) Vo. 14, No.5, 263.

Rangarajan, K.E.: 1985, Ph. D. Thesis. Ind. Inst. of Astrophys. Bangalore India.

Rayleigh, Lord; Philos, Mag. 32, 424-1902 (1891). Scientific Papers (Cambridge Univ. Press, London) Vol. 3, 473.

Ribaric, M.: 1961, Arch. Rat. Rech. Annal. 8, 381,

1964, 15, 54;

1964, 16, 196.

Reed, W. H.: 1971, Nucl. Sci. Eng. 46, 309.

Reith, R.J. and Siewert, C.E.: 1972, Nucl. Sci. Eng. , 47, 156.

Renken, J.H. and Adams, K.G.: 1969, "An Improved Expability for solution of photon Transport Problems by the method of Discrete Ordinate

SC-RR-G9-739, Sandia National Laboratories.

Reuken, J.H. and Biggs, J.: 1972, J. Comput. Phys. 9, 318.

Rhyne, W.R. and Lapsley, A.C.: 1970, Nucl. Sci. Eng. 40, 91.

Robinson, A. H. and Ferziger, J.H.: 1969, Trans. Amer. Nucl. Soc. 12, 142.

Romanova, L.M.: 1963, J. Nucl. Eng. Parts A/B 17, 559

Rybicki, G.B.: 1971, J.Q.S.R.T., 11, 827.

Rybicki, G.B. and Hummer, D.G.: (a) 1967, Astrophys. J. 150, 607.
(b) 1969, M. N.R.A.S, 144, 313.

Sahni, D.C.: 1966, J.N. Energy, Parts. A/B 20, 915.

Sahni, D.C.: and Kumar, V.: Divi of Theo. Phys. Bhaba. Atomic Res. Centre
Bombay, India.

Sampson, D.: 1969, J.Q.S.R.T. 9, 825.

Sattunger, D.H.: 1966 (a) J. Math. Anal. Appl. 15, 497
(b) 1966, J. Math. Phys. 45, 188.

Savedoff, M.P.: 1952, Formation of absorption lines by non-coherent
scattering. Astrophys. J. , 115, 509.

Sanchez, R.: 1975, 'Generlisation of Ascioka's Method to linearly
Anisotropic scattering; Bench Mark Data in cylindrical geometry.
CEA - N- 183 Centre d'Etudes Nucleaires de saclay, Git-Sun-Yvetti, France.

Sanchez, R and McCormik, N.J.: 1982, Nucl. Sci. Eng. 80, 481

1982, 83, 63

Schiff, S and Ziering, S.: 1958, Nucl. Sci. Eng. 3, 635

1960, 1, 172,

Scalettar, R.: 1966, In Proc. Conf. on Neutrons Dynamics and control,
CONF - 6504/3. P. 342.

Schnatz, P.S and Siewert, C.E.: (a) 1970, J. Math. Phys. 11, 2733.

(b) 1971, Mon. Not. Roy. Astron. Soc,

152, 491.

Schwartz; Laurent.: 1950, Theorie des Distributions, Vol. 1 Hermann, Paris.

Schreiner, S.I., Mc Cormick, N.J. and Gilbo, A. G.: 1969, Trans. Amer.
Nucl. Soc., 12, 150.

Sen, H.K.: 1949, Ap. J., 110, 276.

Sen Gupta, A.: (a) 1988, Stat. Phys. (USA) 51, 3.

(b) 1982, Math. Gen. 15, 2487;

1984, 17, 2743.

(c)

Nuclear Engineering and Technology Programme I.I.T. Kanpur, India

Shanks, D.: 1955, Math. Phys. 34, 1.

Shapitco, C.S. and Corngold, N.: 1965, Phys. Rev. A 137, 1686.

Sheaks, O.J.: 1972, J. Math. Phys. (NY) 13, 203.

Sher, R.: 1986, Ann. Nucl. Eng. (G.B) vol. 13, No. 9, 493.

Shieh, P.S., and Siewert, C.E.: 1969, Ap.J. 155, 2651.

Shouman, S.M. and Ozisik, M.N.: 1981, J. Quant. Spectrose. Radiat. Trans. 26, 1.

Shultis, J.K. (a) 1968, Nucl. Sci. Eng., 38, 83.
(b) 1972, Trans. Amer. Nucl. Soc. 15, 267. University of Michigan Doctoral Thesis, Ann. Arbor Mich(1966)

Shure, F and Natelson, M.: 1964, Ann. Phys. (NY) 26, 274.

Siewert, C.E., (a) 1968, Ap. J. 152, 835
(b) 1979, J.Q.S.R.T, 21, 35.; 22, 441
(c) 1980, J. Math. Phys. 21, 2468.
(d) 1978, Astrophys. Space sci 58, 131.
(e) 1972, J.Q.S.R.T. 12 , 683.

Siewert, C.E. and Burniston, E.E.: 1972, Astrophys. J, 174, 629.

Siewert, C.E. and Benoist, P.: 1979, Nucl. Sci. Eng. 69, 156
1981, 78, 311.

Siewert, C.E. and Fraby, S.K.: 1967, Am. Phys. NY. 43, 338.

Siewert, C.E. and Grandjean, P.: 1977, Nucl. Sci. Eng. 70, 90. 70, 96.

Siewert, C.E and Ishiguro, Y.:1972, J. Nucl. Energy, 26, 251.

Siewert, C.E. and Maiorino, J.R.: (a) 1979, J.Q.S.ⁿ.T. 22, 435

(b) 1980, Astrophys. Space Sci. 72,189

Siewert, C.E. and Shieh, P.S.: 1967, J. Nucl. Eng. 21, 383.

Siewert, C.E. and Thomas, J.R.Jr.:1983, Nucl. Sci. Eng. 84, 285;

1984, 87, 107

1986, 94, 264

Siewert, C.E and Zwiefel, P.F.: (a) 1966, Ann. Phys. 36, 61

(b) 1966, J. Math. Phys. I, 2092.

Siewert, C.E., Burniston, E.E. and Kriese, J.T.: 1972, J. Nucl. Energy. 26, 467.

Siewert, C.E., Dunn, W.L., Angew, Z.: 1983, Math. Phys. 34, 627.

Siewert, C.E, Garcia, R.D.M and Grandjean, C.E.: 1980, J. Math. Phys. 21; 2760.

Siewert, C.E., Maiorino, J.R. and Ozisik, M.N.: 1989, J.Q.S.R.T. 23,565

Siewert, C.E., Neshat, K and Philps, J.S.: 1977, Nucl. Sci. Eng. 61,884.

Siewert, C.E., Thomas, J.R.Jr. and Angew, Z.: 1981, Math. Phys. 32,421

1982, 33,202

- Silvennoinen, P and Zweifel, P.F.: (a) 1970, Nucl. Sci. Eng. 42, 103,
(b) 1971, J.Q.S.R.T. 11, 869 ;
(c) 1971, Transport Theory Statist
Phys. 1, 239 ;
(d) 1971, In second conf. on Transport
Theory, Jan. 26-29, p. 136,
Rep CONF, 710 107, U.S. At
Energy Comm. OakRidge, Tenn-
essee,
(e) 1972, J. Math. Phys. 13, 1114

Silvennoinen, P.: 1971, Transp. Theory, Statist. Phys., 1, 263.

Simmons, G.M. and Ferziger, J.H.: 1968, Int. J. Heat. Mass. Transfer,
11, 1611.

Sjostrand, N.G.: 1986, Ann Nucl. Eng. (G.B) Vol. 13, No. 10, 533.

Sloan, I. R. and Burn, B.J.: 1979, J. Integral Equations, 1 , 77

Smith, O.J.: 1969, In Neutron Transport Theory Conf. Jan. 20-24, p.653,
Rep.ORO- 3856 - 1 (or CONF - 690108),U.S. At Energy Comm. Oak, Ridge,
Tennessee.

Smith O.J. and Siewert, C.E.: 1968, J. Nucl. Energy. 22, 579.

Sobolev, V.V. (a) 1963, A Treatise on Radiative Transfer (Translation
of Russian 1956 ed) Van. Nostrand, Princeton, New Jersey.

(b) 1951, Astron, J. 28, Bulletin 5.

- (c) A Treatise on Radiation Transfer (Eng. Trans. by S.I. Gaposchkin)
D. Van Nostrand Co.
- (d) 1949, Astron Zh, 26, 129 ;
1951, 28, 355,
1954, 31, 231.
- (e) 1955, Vetn. Leningr. Univ. No. 5, 85.
- (f) 1956, Gosteehizdat, Moscow,
- (g) 1957a, DOKL AKad, NanK. SSSR; 11b, 45.
- (h) 1957b, Astron. Zh., 34, 336.
- (i) 1958a, Izv. Akad. Nauk. Arm. SSR; SerFiz, Mat; 11, 39
- (j) 1958b, Dokl. Akad. Nauk. SSSR; 120, 69
1959a, 129, 1265
1964, 155, 316
- (k) 1959b, Astron. Zh., 36, 576

Sobouti, Y.: 1963, Astro. Phys. J. Suppl. 1, #11.

Sotoodehnia, A. and Erdmann, R.C.: 1970, SIAM. J. Appl. Math. 18, 160.

Stacy, (Jr), W.M.: 1969, " Spacetime Nuclear Reactor Kinetics, A.P.

Stewart, J-E; Kušcer, I and McCormick, N.J.: 1966, Annl. Phys. (NY)
40 , 321.

Stewart, J.C. and Zweifel, P.F.: 1959, PICG p/631.

Stewart, J.E. and Metcalf, D.R.: 1972, Trans. Amer. Nucl. Soc. 15, 267.

Stibbs, D.W.N.: 1963, Mem. Soc. Roy. Sci. Liege, 7 , 169.

Stibbs, D.W.N., Wier, R.E.: 1959, Monthly. Notices. Roy Astron. Soc.
119, 512.

Su, S.F., and Mc Cormick, N.J.: 1971, J. Nucl. Energy, 25, 657.

Takahashi, H.: (a) 1961, J. Nucl. Eng. Parts A/B 15, 192.

(b) 1961, The milne Problem for a non-absorbing Medium
 with linearly anisotropic scattering, BNL, 5151.

(c) 1961, Generalization of the Singular Integral Method
 for an anisotropic scattering medium, BNL 5198.

Tavel, M.A and Zucker, M.S.: 1971, Trans. Theo. Stat. Phys., 1, 115

Terebizh, V. Yu.: 1967, Astrophysika, 3 , 281.

Tezcan, C and Sever, R.: (a) 1985, Ann Nucl. Energy (G.B) vol.12, 10, 573;
 1986, vol.13, 4, 223.

Theophilov, A.: 1968, Nukleonik, 10, 92.

Thielheim, K.O. and Blöker, W.: (a) 1969, Z. Phys. 221, 9,

1970, 230, 95,

(b) 1970, Atom Kernenergie, 16, 281

(c) 1970, Z. Naturforsch. A. 25, 1370.

Thielheim, K.O. and Claussen, K.: (a) 1970, Nucl. Sci. Eng. 39, 134.

(b) 1970, Z. Naturforsch. A 25, 587.

Thomas, R.N.: (a) 1957, Astrophys. J. 125, 260.

(b) Some Aspects of Non-Equilibrium Thermodynamics in the Presence of a Radiative Field, Univ. of Colorado, Press, Boulder.

Thomas, R. N. and Athay, R.G.: 1961, Physics of Solar Chromospheres, Interscience, New York, London.

Thomas, J.R.; Southers, Jr. J.R. and Stewart, C.E.: 1983, Nucl. Sci. Eng. 84, 79.

Titmarsh, E.C.: 1930, The Theory of functions, second edition, Oxford University Press, London.

Trombetti, T.: 1968, J. Nucl. Eng., 15, 173;

1968, 32, 111

1968, Half space Transport Problems with Anisotropic scattering Rep. RT/F-1(68) 44, Comitato Naz. Energia Nucl. Rome.

Tolubinsky, E.V.: 1969, "Teoriya Processov perenosa (Theory of Transport Processes)" Naukova Dimka, Kiev.

Ueno, S.: (a) The formation of absorption lines by coherent and non-coherent scattering. I-IV. Contr. Inst. Astrophys Kyoto, No. 58, (1955); No. 62 (1956) No. 63 (1956) No. 64 (1956).

(b) The probabilistic method for problems of radiation transfer. III line formation by coherent scattering.

1958, J. Math. Much. 7, 629.

Vankampen, N.G.: (a) 1960, Proc. Kon. Nud. Akad. Wetensch. Ser, B.63, 92.
 (b) 1961, Can. J. Phys. 39, 551.
 (c) 1985, Physica.(Utrecht)

Van de Hulst, H.C.: 1970, A Stron. Astrophys, 9, 539.

Vanmassenhove, F.R. and Grosjean, C.C.^{^1965} in " Proceedings of the second Interdisciplinary Conference on Electromagnetic Scattering " (R.R. Rowell and R.S. Stein, eds) , p.721, Gordon and Breach, New York (1965).

^{^1962,}
 Vekua, I.N.[^] Generalised Analytic Functions (Translation of Russian 1959 ed), Pergamon, Oxford (1962).

^{^1967,}
 Vekua, N.P.[^] (English Translation) Systems of Singular Integral Equations, Noordhoff, Groningen (1967).

Vekua, B.A.: (a) 1957, On the Green's function of the equation of the diffusion of radiation. Zh. Eksperim. i. Teor. Fiz; 33, 817.

(b) 1959, " On the Green's function of the equation of the diffusion of resonance radiation. Zh., Eksperim. i. Teor. Fiz, 36, 204.

Verga, R.S.: 1962, " Matrix Iterative Analysis " Prentice Hall, Inc.

Wang, M.C. and Guth, E: 1951, Phys. Rev. 84, 1092.

Warming, R.F.: (a) 1970a, Astrophys. J., 159, 593.
 (b) 1970 , J.Q.S.R.T. 10, 1219.

Warner, J.H. Jr. and Erdmann, R.D.: 1969, J. Nucl. Eng. 23, 117 and 135.

Watt, B.E.: 1952, Phys. Rev. 87, 1037

Watson, G. N.: 1944, A treatise on the theory of Bessel functions, second Edition, Cambridge, Univ. Press.

Weinberg, A. M. and Noder, L.: Theory of Neutron Chain Reactions (Oak Ridge National Laboratory Report).

Weinberg, A. M. and Wigner, E.P.: (a) 1978, 'The Physical Theory of Neutron Chain Reaction'. Univ. of Chicago Press, Chicago, Illinois.

(b) 1958, The Physical theory of Neutron Chain Reactions, Chap IX, Univ. of Chicago Press

West Fall, R.M.: 1974, Ph.D. Thesis, Univ. of Virginia.

Weinstein, M.: 1962, J. Appl. Phys, 33, 587.

Westfall, R.M. and Metcalf, D.R.: 1972, Trans. Amer. Nucl. Soc., 15, 266.

Whittaker, E.T and Watson, G.A.: 1946, A course of Modern Analysis, Camb. Univ. Press.

Wick, G.C.: 1959, Z. Phys. 121, 702.

Wigner, E.P. (a) in Nuclear Reactor Theory. (G. Birkhoff and E.P. Wigner eds.) Proc. Symp. Appl. Math. Vol. 11 P. 89. Amer. Math. Soc. Providence. Rhode Island.

(b) Group Theory and its application to the Quantum mechanics of atomic spectra, Academic Press.

Wilkinson, J.H.: 1965, "The Algebraic Eigen value Problem, Oxford Univ. Press. (Clarendon), London and New York.

Williams, M.M.R.: 1964, Nucl. Sci. Eng. 18, 260.

(b) 1966, The slowing down and Thermalization of Neutrons, North Holland, Amsterdam.

(c) 1967, Nukleonik, 9, 305.

(d) 1968, Mon. Not. Roy. Astro. Soc. 130, 403.

(e) 1971, Mathe. Methods in Particle Transport Theory. Batterworths, London

Wilson, J. and Sen, W.K.: 1963, Publi. Astro. Soc. of Japan 15, 351.

Wing, M.: 1962, An Introduction to Transport Theory, J. Wiley, N.Y.

Wood., J. and Williams, M.M.R.: (a) 1985, Annual. Sci. vol.12, 217.

(b) 1986, vol.13, No.8, 479

(c) 1971, J. Nucl. Energy, 25, 101.

Wo, S. ; Siewert, C.E.; Angew, Z.: 1979, Math.Phys. 26, 637

Woolley, R.V.D.R., Stibbs, D.W.N.: The Outer Layers of a Star,
Clarendon Press. Oxford.

Wu, Shao-PO and Siewert, C.E.: 1975, J. Appl. Math. and Phys. (ZAMP)
vol. 26.

Wynn, P.: 1956, Math. Tables. Aids. Comp. 10, 91.

Yamagishi, T; (a) 1969, Technol. Rep. Osaka Univ. 19, 301.

(b) 1971, J. Nucl. Sci. Technol. 8, 153 and 470.

(c) 1972, J. Nucl. Sci-Tech. Vol. 9, 420.

Yoshimura, T. and Katsuragi, S.: 1968, Nucl. Sci. Eng. 33, 297.

Yamagishi, T., Tezuka, M and Sekiya, T.: 1969, J. Nucl. Sci. Technol.,
6, 611.

Yingling, W and Bridgman, C.: 1974, Nucl. Sci. Eng., 53, 123.

Yvon, J.: 1957, J. Nucl. Eng., 4, 205.

Yasinsky, J.B., Natelson, M. and Hageman, L.A.: 1968, Nucl. Sci. Eng,
33, 355.

Yasinsky, J.B. and Henry, A.F.: 1965, Nucl.Sci. Eng. 22, 171.

Zelazny, R.: (a) 1961, J. Math. Phys. (N.Y), 2, 538.

(b) 1965, in Third U.N. International Conference on Peaceful uses of Atomic energy, vol. 2, p.86. United Nations, New York.

Zelazny, R. and Kuszell, A., (a) 1961, Ann. Phys. (N.Y) 16, 81;

1962, in "Physics of Fast and Intermediate Reactors" vol. II, P.55, Int At. Energy. Ag. Vienna.

(b) 1961, Bull. Acad. Pol.Sci. el.3, 9, 217.

(c) 1961, Physica (Utrecht) 27, 797.

Zelazny, R, Kuszell, A. and Mika, J.: (a) 1961, Annal. Phys. (N.Y),
16, 69.

(b) Polish Academy of Sciences,
Institute of Nuclear Research,
Warsaw, Reports Nos. 160/IX,
216/IX, 218/IX, 226/IX,
11/1961/1.

Zweifel, P.F.: 1967, In " Developments in Transport Theory"
(I. Inönü and P.F.Zweifel, eds) p. 73,
Academic Press, New York.

Zweifel, P.F. and Garg, S.B.: 1964, Nucl. Sci. Eng. 20, 513.