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[1] V. Bush and S. H. Caldwell. (1931). Thomas-Fermi Equation Solution by the Differential Analyzer. **Physical Review**, 38(10), 1898-1902.

[2] R. K. Pathria, Paul D. Beale. (2011). **Statistical mechanics** (3rd ed.), Burlington: Elsevier.

[3] D.S. Koltun. (1988). **Quantum Mechanics of Many Degrees of Freedom**. Weinheim: Wiley-VCH.

[4] A. M. Wazwaz. (2009). **Partial Differential Equations and Solitary WavesTheory**. Heidelberg: Springer.

[5] A.M. Wazwaz. (1999). The modified decomposition method and Padé approximants for solving the Thomas–Fermi equation. **Applied Mathematics and Computation**, 105(1), 11-19.

[6] L. Delle Site. (2001). Equation of state of compressed matter: a simple statistical model. **Physica A: Statistical Mechanics and its Applications**, 293(1–2), 71-82.

[7] S. Kobayashi, T. Matsukuma, S. Nagai, K. Umeda. (1955). Some coefficients of the TFD function. **J. Phys. Soc. Japan**, 10, 759-765.

[8] B.H. Bransden, C.J. Joachian. (1982). **Physics of Atoms and Molecules**. New York: Longman Scientific and Technical.

[9] F.Mandl. (2000). **Statistical Physics** (2nd ed.). Chichester: John Wiley & Sons.

[10] John D. Walecka. (2000). **Fundamentals of Statistical Mechanics Manuscript and Notes of Felix Bloch**. London: Imperial College Press and World Scientific Publishing.

[11] B.L. Burrows, P.W. Core. (1984). A variational iterative approximate solution of the Thomas-Fermi equation. **Quart. Appl. Math**, 42, 73-76.

[12] B.J. Laurenzi. (1990). An analytic solution to the Thomas-Fermi equation. **J. Math. Phys**, 31 (10), 2535-2537.

[13] A. Cedillo. (1993). A perturbative approach to the Thomas-Fermi equation in terms of the density. **J. Math. Phys**, 34 (7), 2713-2717.

[14] R.Kh. Sabirov. (1993). Solution of the Thomas-Fermi-Dirac of the statistical model of an atom at small distances from the nucleus. **Opt. Spectrosc**, 75 (1), 1-2.

[15] C.Y. Chan, Y.C. Hon. (1987). A constructive solution for a generalized Thomas-Fermi theory of ionized atoms. **Quart. Appl. Math**, 45, 591-599.

[16] Y.C. Hon. (1996). A decomposition method for the Thomas-Fermi. **SEA Bull. Math**, 20(3), 55-58.

[17] Y. Cherruault. (1990). Convergence of Adomian's method. **Math. Comput. Modelling**, 14, 83-86.

[18] S.N. Venkatarangan, K. Rajalashmi. (1995). Modification of Adomian's decomposition method to solve equations containing radicals. **Comput. Math. Appl**, 29 (6), 75-80.

[19] G. Adomian. (1994). **Solving Frontier Problems of Physics: The Decomposition Method**. Boston: Kluwer Academic Publishers.

[20] Biazar, J., E. Babolian, G. Kember, A. Nouri, R. Islam. (2003).An alternate algorithm for computing Adomian polynomials in special cases. **Applied Mathematics and Computation**, 138(2–3), 523-529.

[21] Duan, J.-S. (2010). Recurrence triangle for Adomian polynomials. **Applied Mathematics and Computation**, 216(4), 1235-1241.

[22] A.Elsaid. (2012). Adomian polynomials: A powerful tool for iterative methods of series solution of nonlinear equations. **Applied Analysis and Computation**, 2, 381-394.

[23] Seng, V., K. Abbaoui, Y. Cherruault. (1996). Adomian's polynomials for nonlinear operators. **Mathematical and Computer Modelling**, 24(1), 59-65.

[24] Fatoorehchi, H. and H. Abolghasemi. (2011).On calculation of Adomian Polynomials by MATLAB. **Applied Computer Science and Mathematics**, 11(5), 85-88.

[25] Zhu, Y., Q. Chang, S. Wu. (2005). A new algorithm for calculating Adomian polynomials. **Applied Mathematics and Computation**, 169(1), 402-416.