

## References

- [1] Beyer, H. G. (2001). The theory of evolution strategies. [Springer Science](#)
- [2] Paul mcgregor (2006). Relative Minimums and Maximums, [Calculus III course](#), Lamar University, Texas
- [3] Darrell Whitley (1994). A genetic algorithm tutorial. Computer Science Department, Colorado State University. [Fort Collins, CO 80523, USA](#)
- [4] Runhe Huang (1995). Evolving Prototype Rules and Genetic algorithm in a Combustion Control. [1995 IEEE-IAS](#), International Conference on Industrial Automation and Control Conference.
- [5] B. Danielson J. & Foster D. Frincke (1998). Using Genetic Algorithms to Breed a Combustion Engine. [IEEE World Congress](#) on Computational Intelligence, 1998, Anchorage, Alaska, USA
- [6] Wolfgana Polifke, Weiqun Geng & Klaus Dobbeling (1998). Optimization of Rate Coefficients for Simplified Reaction Mechanisms with Genetic Algorithms. [Combustion and Flame](#), 113(1/2), 119–134.
- [7] S.D. Harris, Elliott, L., Ingham, D. B., M. Pourkashanian & C. W. Wilson, (2000). The optimisation of reaction rate parameters for chemical kinetic modelling using genetic algorithms. In ASME Turbo Expo 2002: [Power for Land, Sea, and Air](#) (pp. 563-572).
- [8] G. R. Vossoughi & Siavash Rezazadeh (2005). Optimization of the Calibration for an Internal Combustion Engine Management System Using Multi-Objective Genetic Algorithms. Evolutionary Computation, 2005. [The 2005 IEEE Congress](#) on, Volume: 2
- [9] C. D. Rose, S. R. Marsland & D. Law (2009). Optimisation of the Gas-Exchange System of Combustion Engines by Genetic Algorithm. [2009 4th International Conference](#) on Autonomous Robots and Agents.
- [10] Shtaubert, I. & Greenberg, J.B. (2010), A study of Polydisperse Spray Diffusion Flames and their Extinction in Co-flow. [Final Paper towards M.Sc in Aerospace Engineering](#)
- [11] Nejra Sikalo, Olaf Hasemann, Christof Schulz, Andreas Kempf & Irenaus Wlokas (2015). A Genetic Algorithm-Based Method for the Optimization of Reduced Kinetics Mechanisms. [International Journal of Chemical Kinetics](#) 47

- [12] Carolyn R. Kaplan, Alp Ozgen & Elaine S. Oran (2017). Chemical-diffusive models for flame acceleration and transition-to-detonation: genetic algorithm and optimisation procedure. [Combustion Theory and Modelling](#), 2019
- [13] Hongguang Pan, Weimin Zhong, Zaiying Wanga & Guoxin Wanga (2017). Optimization of industrial boiler combustion control system based on genetic algorithm. [Computers and Electrical Engineering](#) 70 (2018) 987–997
- [14] Jie Liua,b, Biao Maa & Hongbo Zhaoa (2019). Combustion parameters optimization of a diesel/natural gas dual fuel engine using genetic algorithm. [Fuel](#) 260 (2020) 116365
- [15] Yiding Zhao, Qinghe Wu, Heng Li, Shuhua Ma & Ping He (2019). Optimization of Thermal Efficiency and Unburned Carbon in Fly Ash of Coal-Fired Utility Boiler via Grey Wolf Optimizer Algorithm. [2010 International Conference on Electrical and Control Engineering](#)
- [16] Burke, S. P., and T. E. W. Schumann. "Diffusion flames." [Industrial & Engineering Chemistry](#) 20.10 (1928): 998-1004.
- [17] Greenberg, J.B., "The Burke-Schumann Diffusion Flame Revisited-With Fuel Spray Injection", [Combustion and Flame](#) 77, pp. 229-240, (1989).
- [18] Tambour, Y., A Lagrangian Sectional Approach for Simulating Droplet Size Distribution of Vaporizing Fuel Sprays in a Turbulent Jet, [Combustion and Flame](#) 61 Issue 1, pp. 15-28, (1985).
- [19] Williams, F.A., *Phys. Fluids* 1, pp. 541-545, (1958). See also "[Combustion Theory](#)", 2nd Edition, The Benjamin/Cummings Publishing: Menlo Park, CA, (1985)
- [20] Boyd, Stephen P.; Vandenberghe, Lieven (2004). [Convex Optimization](#) page 143 (pdf). Cambridge University Press. p. 129. ISBN 978-0-521-83378-3.
- [21] V. Jeyakumar; Alexander M. Rubinov (9 March 2006). Continuous Optimization: Current Trends and Modern Applications. Springer Science & Business Media. ISBN 978-0-387-26771-5. [Continuous Optimization](#)
- [22] Javier Larrosa, Albert Oliveras, Enric Rodriguez-Carbonell (2019), Combinatorial Problem Solving (CPS). [Mixed Integer Linear Programming](#)
- [23] Sakawa M. (2002) Genetic Algorithms for Integer Programming. In: Genetic Algorithms and Fuzzy Multiobjective Optimization. [Operations Research / Computer Science Interfaces Series](#), vol 14. Springer, Boston, MA.

- [24] Matlab Help Center, Solving Mixed Integer GA Optimization Problems [[link](#)]. Based on Deb, K. (2000). An efficient constraint handling method for genetic algorithms. Computer methods in applied mechanics and engineering, 186(2-4), 311-338 [[link](#)].
- [25] Darrel Whitley (1997), A Genetic Algorithm Tutorial, Computer Science Department, Colorado State University, [Fort Collins](#).
- [26] Patankar, S. (2018). Numerical heat transfer and fluid flow. [Taylor & Francis](#)
- [27] Linan, A. (1974). The asymptotic structure of counterflow diffusion flames for large activation energies. [Acta Astronautica](#), 1(7-8), 1007-1039.