



© 1995-2023 by Isidoro Martínez

BIBLIOGRAPHY (BIBLIOGRAFÍA)

GENERAL BOOKS ON THERMODYNAMICS	1
(OBRAS GENERALES DE TERMODINAMICA).....	1
BOOKS ON HEAT AND MASS TRANSFER.....	2
OBRAS SOBRE TRANSMISION DE CALOR Y DE MASA).....	2
BOOKS ON PHYSICAL CHEMISTRY, COMBUSTION AND ECOLOGY	3
(OBRAS SOBRE FISICO-QUIMICA, COMBUSTION Y ECOLOGÍA)	3
BOKKS ON PROPERTIES, DESIGN AND OTHERS.....	3
(OBRAS SOBRE PROPIEDADES, DISEÑO Y OTRAS).....	3
Journals	4
(Revistas)	4

GENERAL BOOKS ON THERMODYNAMICS

(OBRAS GENERALES DE TERMODINAMICA)

1. Abbott, M.M., Vanness, H.C., "Thermodynamics", McGraw-Hill, 1989. Versión española Edit. McGraw-Hill, 1991.
2. Aguilar, J., "Curso de Termodinámica", Alhambra, 1989.
3. Amigo Martín, P., "Termotecnia: aplicaciones agroindustriales", Mundi Prensa, 1999.
4. Annamalai, K., Puri, I.K., Jog, M.A., "Advanced thermodynamics engineering", CRC Press, 2011.
5. Bacon, D.H., "Termodinámica y transmisión de calor. Teoría, problemas y aplicaciones en BASIC", Anaya, 1986.
6. Bejan, A., "Advanced engineering Thermodynamics", John Wiley & Sons, 2006.
7. Black, W.Z., Hartley, J.G., "Thermodynamics", Harper & Row, 1989. Versión española Edit. CECSA, 1981.
8. Borel, L., "Thermodynamique et énergétique", Presses Polytechniques Romandes, 1984.
9. Callen, H.B., "Thermodynamics", John Wiley & Sons, 1985. Versión española Edit. AC, 1980.
10. Çengel, Y.A., Boles, M.A., "Thermodynamics. An engineering approach", McGraw-Hill, 2014. Versión española McGraw-Hill, 2012.
11. Çengel, Y.A., Turner, R.H., "Fundamentals of thermal-fluid sciences", McGraw-Hill, 2005.
12. Curry, J.A., "Thermodynamics of atmospheres and oceans", Academic Press, 1999.
13. De Groot, S.R., Mazur, P., "Non equilibrium Thermodynamics", Dover, 1984.
14. Doolittle, J.S., Hale, F.J., "Thermodynamics for engineers", John Wiley & Sons, 1984.
15. Eastop, T.D., McConkey, A., "Applied Thermodynamics for engineering technologists", Longman, 1993.
16. Fiedt, M., "Thermodynamique et optimisation énergétique", Technique et Documentation Lavoisier, 1987.
17. Gómez, J.L., Monlein, M., Ribes, A., "Termodinámica. Análisis exergético", Reverté, 1990.
18. Goodger, E.M., "Principles of engineering Thermodynamics", MacMillan. 1984.
19. Haberman W.L., John, J.E.A., "Engineering Thermodynamics with heat transfer", Allyn & Bacon, 1989.
20. Haywood, R.W., "Equilibrium Thermodynamics for engineers and scientists", John Wiley & Sons, 1980.
21. Holman, J.P., "Thermodynamics", McGraw-Hill, 1990.
22. Howell, J.R., Buckiua, R.O., "Fundamentals of engineering Thermodynamics", McGraw-Hill, 1987.
23. Huang, F.F., "Engineering Thermodynamics. Fundamentals and applications", McMillan, 1976. Versión española Edit. CECSA, 1981.

24. Iribarne, J.V., Godson, W.L., "Atmospheric Thermodynamics, 1981, Versión española Ministerio de Medio Ambiente, 1996.
25. Karlekar, B.V. "Thermodynamics for engineers", Prentice-Hall, 1983.
26. Kreith, F. (Ed.), "The CRC Handbook of Thermal Engineering", CRC Press, 2000.
27. Kondepudi, D., Prigogine, I., "Modern Thermodynamics", John Wiley & Sons, 1998.
28. Kotas, T., "The exergy method of thermal plant analysis", Butterworths, 1985.
29. Lacalle, J.M., "Termodinámica", E.T.S.I.I., Univ. Politécnica de Madrid, 1993.
30. Martínez, I., "Termodinámica básica y aplicada", Dossat, 1992.
31. Moran, M.J., Shapiro, H.N., "Fundamentals of engineering thermodynamics", John Wiley & Sons, 2003. Versión española Edit. Reverté, 2004.
32. Moran, M.J., "Availability analysis: a guide to efficient energy use", Prentice-Hall, 1982.
33. Myers, G.E., "Engineering Thermodynamics", Prentice-Hall, 1989.
34. Pérez del Notario, P., "Termodinámica", I.N.T.A., 1966.
35. Plint, M.A., Bšswirth, L., "Mechanical engineering Thermodynamics. A laboratory course", Griffin, 1986.
36. Prigogine, I., "Introducción to Thermodynamics of irreversible processes", Interscience, 1987. Versión española Edit. Selecciones Científicas, 1974.
37. Sala, J.M., "Termodinámica de fluidos y el análisis exergético", Universidad del País Vasco, 1987.
38. Segura, J., "Termodinámica técnica", Reverté, 1988.
39. Sonntag, R.E., "Introduction to engineering Thermodynamics", John Wiley & Sons, 2006.
40. Tribus, M., "Thermostatics and thermodynamics", van Nostrand, 1961.
41. Van Wylen, G.J., Sonntag, R.E., "Fundamentals of classical Thermodynamics", John Wiley & Sons, 1985.
42. Wark, K., "Thermodynamics", McGraw-Hill, 1999. Versión española Edit. McGraw-Hill, 2000.
43. Zemanski, M.W., Dittman, R.H., "Heat and Thermodynamics", McGraw-Hill, 1981. Versión española Edit. McGraw-Hill, 1984.

BOOKS ON HEAT AND MASS TRANSFER

OBRAS SOBRE TRANSMISION DE CALOR Y DE MASA)

1. Bejan, A., "Convection heat transfer", John Wiley & Sons, 1984.
2. Bejan, A., "Heat transfer", John Wiley & Sons, 1993.
3. Bird, R. B., Stewart, W. E., and Lightfoot, E. N., "Transport Phenomena", John Wiley, 2002.
4. Bougard, J., Afgan, N. H., "Heat and mass transfer in refrigeration and cryogenics", Springer-Verlag, 1987.
5. Çengel, Y.A., "Heat and mass transfer. A practical approach", McGraw-Hill, 2007. Versión española Edit. McGraw-Hill, 2007.
6. Çengel, Y.A., "Heat transfer. A practical approach", McGraw-Hill, 2003. Versión española Edit. McGraw-Hill, 2004.
7. Chapman, A.J., "Heat transfer", MacMillan, 1984. Versión española Ed. Bellisco, 1990.
8. Hill, J.M., Dewynne, N., "Heat conduction", Blackwell, 1987.
9. Holman, J.P., "Heat transfer", McGraw-Hill, 2010.
10. Incropera, F.P., "Fundamentals of heat transfer", John Wiley & Sons, 2006. Versión española Edit. John Wiley & Sons, 1999
11. Incropera, F.P., DeWitt, D.P., Bergman, T.L., Lavine, A.S., "Fundamentals of heat and mass transfer", John Wiley & Sons, 2007.
12. Karlekar, B.V., Desmond, R.M., "Transferencia de calor", Edit. Interamericana, 1985.
13. Ketkar, S.R., "Numerical thermal analysis", ASME Press, 1999.
14. Kreith, F., Black, W.A., "Basic heat transfer", Harper & Row, 1980. Versión española Edit. Alhambra, 1983.
15. Lewis, R.W., "Computation techniques in heat transfer", John Wiley & Sons, 1985.
16. Lewis, R.W., Morgan, K., Zienkiewicz, O.C., "Numerical methods in heat transfer", John Wiley & Sons, 1981.

17. Mills, A.F., "Heat Transfer", Addison-Wesley, 1994. Versión española Edit. Irwin, 1995.
18. Mills, A.F., "Basic Heat and Mass Transfer", Prentice-Hall, 1999.
19. Ozisic, M.N., "Heat conduction", John Wiley & Sons, 1993.
20. Ozisic, M.N., "Heat transfer. A basic approach", McGraw-Hill, 1985.
21. Siegel, R., Howell, J.R., "Thermal radiation heat transfer", McGraw-Hill, 1990.
22. Sigalés, B., "Transferencia de calor técnica", Reverté, 2003.
23. Thomas, L.C., "Heat transfer", Prentice-Hall, 1992.
24. Thomas, L.C., "Heat transfer: professional version", Prentice-Hall, 1993.
25. White, F.M., "Heat and mass transfer", Wesley, 1988.
26. Wood, B.D., "Applications of Thermodynamics", Addison-Wesley, 1982.

BOOKS ON PHYSICAL CHEMISTRY, COMBUSTION AND ECOLOGY

(OBRAS SOBRE FISICO-QUIMICA, COMBUSTION Y ECOLOGÍA)

1. Adamson, A., "Physical chemistry of interfaces", John Wiley & Sons, 1990.
2. Adkins, C.J., "An introduction to thermal physics", Cambridge University Press, 1987.
3. Atkins, P.W., "Physical chemistry", Oxford University Press, 1987.
4. Aubrecht, G.J., "Energy", Prentice-Hall, 1995.
5. Barnard, J.A., Bradley, J.N., "Flame and combustion", Chapman & Hall, 1995.
6. Barrow, G.M., "Physical chemistry", McGraw-Hill, 1985. Versión española Edit. Reverté, 1988.
7. Boeker, E., von Grondelle, R., "Environmental physics", John Wiley & Sons, 1995.
8. Borghi, R., Destriau, M., "Combustion and flames", Technip, 1998.
9. Borman, G.L., Ragland, K.W., "Combustion engineering", McGraw-Hill, 1998.
10. Glassman, I., "Combustion", Academic Press, 1966.
11. Gordon, J.A., "Energy", Prentice-Hall, 1995.
12. Goody, R.M., "Atmospheric radiation", Oxford University Press, 1989.
13. Henry, J.G., Heinke, G.W., "Environmental science and engineering", Prentice Hall, 1996.
Versión española Prentice Hall, 1999.
14. Hill, P., Peterson, C., "Mechanics and thermodynamics of propulsion", Addison-Wesley, 1992.
15. Kuo, K.K., "Principles of combustion", John Wiley & Sons, 1986.
16. Márquez, M., "Combustión y quemadores", Marcombo, 1989.
17. Mataix, C., "Turbomáquinas térmicas", Dossat, 1988.
18. Muñoz, M., Payri, J., "Motores de combustión interna alternativos", Univ. Polit. Valencia, 1983.
19. Perthuis, E., "La combustion industrielle", Technip, 1983.
20. Sandler, S.I., "Chemical and engineering Thermodynamics", John Wiley & Sons, 1989.
21. Shoemaker, D.V., Garland, D.V., Niebler, J.W., "Experiments in physical chemistry", McGraw-Hill, 1989.
22. Smith, J.M., van Ness, H.C., Abbot, M.M., "Introduction to chemical engineering thermodynamics", McGraw-Hill, 2005.
23. Spalding, B., "Combustion and heat transfer", Pergamon Press, 1979. Versión española Edit. CECSA, 1983.
24. Strahle, W.C., "An introduction to combustion", Gordon and Breach, 1993.
25. Strehlow, R.A., "Combustion fundamentals", McGraw-Hill, 1984.
26. Turns, S.R., "An introduction to combustion", McGraw-Hill, 2012.
27. Williams, F.A., "Combustion theory", Addison-Wesley, 1985.

BOOKS ON PROPERTIES, DESIGN AND OTHERS

(OBRAS SOBRE PROPIEDADES, DISEÑO Y OTRAS)

1. ASHRAE, "ASHRAE handbook. 1985 Fundamentals", ASHRAE, 1985.
2. ESA-ESTEC, "Spacecraft thermal control design data", ESA-ESTEC, PSS-100, 1989.
3. Adkins, C.J., "An introduction to thermal physics", Cambridge University Press, 1987.

4. Bejan, A., Tsatsaronis, G., Moran, M., "Thermal Design and optimization", John Wiley & Sons, 1996.
5. Benedict, R.P., "Fundamentals of temperature, pressure and flow measurements", John Wiley & Sons, 1988.
6. Bentley, J.P., "Principles of measurement systems", Longman, 1995.
7. Boehm, R.F., "Design analysis of thermal systems", John Wiley & Sons, 1987.
8. Considine, D.M., "Process instruments and controls handbook", McGraw-Hill, 1985.
9. Creus, A., "Instrumentación industrial", Marcombo, 1985.
10. DeWitt, D.P., Nutter, G.D., "Theory & practice of radiation thermometry", John Wiley & Sons, 1988.
11. Gosney, W.B., "Principles of refrigeration" Cambridge Univ. Press, 1982.
12. Jones, D.R.H., "Engineering materials 3: materials failure analysis -case studies and design implications", Pergamon Press, 1993.
13. Klein, H.A., "The science of measurement. A hystorical survey", Dover, 1974.
14. Holman, J.P., "Experimental methods for engineers", McGraw-Hill, 1989.
15. Lawton, B., Klingenberg, G., "Transient temperature in engineering and science", Oxford University Press, 1996.
16. Lide, D.R. (ed.), "CRC Handbook of Chemistry and Physics", CRC press, 1991. McGee, T.D., "Principles and methods of temperature measurement", John Wiley & Sons, 1988.
17. Meseguer, J., Pérez-Grande, I., Sanz-Andrés, A., "Spacecraft Thermal Control", Woodhead Publishing, 2012.
18. Platzer, B., Polt, A., Maurer, G., "Thermophysical properties of refrigerants", Springer-Verlag, 1990.
19. Quinn, T.J., "Temperature", Academic Press, 1983.
20. Reid, R.C., Prausnitz, J.M., Sherwood, T.K., "The properties of gases and liquids", McGraw-Hill, 1977.
21. Schmidt, F.W., Willmott, A.J., "Thermal energy storage and regeneration", McGraw-Hill, 1981.
22. Singh, J., "Heat transfer fluids and systems for process and energy applications", Dokker, 1985.
23. Stoecker, W.F., "Design of thermal systems", McGraw-Hill, 1989.

Journals

(Revistas)

1. Applied Energy
2. Applied Thermal Engineering
3. ASHRAE Journal
4. Combustion and Flame
5. Combustion Theory and Modelling
6. Energy
7. Energy & Environmental Science
8. Energy Conversion and management
9. Energy Education Science and Technology
10. Experimental Heat Transfer
11. Experimental Thermal and Fluid Science
12. Experiments in Fluids
13. Fluid Phase Equilibria
14. Heat and Fluid Flow
15. Heat Transfer Engineering
16. International Journal of Exergy
17. International Journal of Heat and Mass Transfer
18. International Journal of Hydrogen Energy
19. International Journal of Thermophysics
20. Journal of Chemical Thermodynamics
21. Journal of Heat Transfer (ASME)

22. Journal of non-equilibrium thermodynamics
23. Journal of Power and Energy
24. Journal of Thermophysics and Heat Transfer (AIAA)
25. Letters in Heat and Mass Transfer
26. Numerical Heat Transfer
27. Progress in Energy and Combustion Science

[Back](#)