

References

1. Conway, H. G., *Landing Gear Design*, Chapman & Hall, London, 1958.
2. Currey, N. S., *Aircraft Landing Gear Design: Principles and Practices*, AIAA Education Series, Washington, 1988.
3. Roskam, J., *Airplane Design Part V: Component Weight Estimation*, Roskam Aviation and Engineering, Ottawa, Kansas, 1985, pp. 80-82.
4. Niu, M. C. Y., *Airframe Structural Design*, Conmilit Press, Hong Kong, 1988, pp. 430-470.
5. Torenbeek, E., *Synthesis of Subsonic Airplane Design*, Delft University Press, The Netherlands, 1982.
6. Fiorino, F., Comp., "Too Big For Your Britches," *Aviation Week and Space Technology*, Vol. 144, No. 21, May 20, 1996, p. 19.
7. Horonjeff, R. and McKelvey, F. X., *Planning and Design of Airports*, McGraw-Hill, New York, 1994.
8. Shifrin, C. A., "New Jumbos, SSTs Face Tough Hurdles," *Aviation Week and Space Technology*, Vol. 141, No. 21, November 21, 1994, pp. 42-43.
9. Veaux, J., "New Design Procedures Applied to Landing Gear Development," *Journal of Aircraft*, Vol. 25, No. 10, October 1988, pp. 904-910.
10. Holloway, R. B., Burris, P. M. and Johannes, R. P., "Aircraft Performance Benefits from Modern Control Systems Technology," *Journal of Aircraft*, Vol. 7, No. 6, , November 1970, pp. 550-553.
11. Sliwa, S. M., "Economic Evaluation of Flying-Qualities Design Criteria for a Transport Configured With Relaxed Static Stability," NASA Technical Paper 1760, December 1980.
12. Jayaram, S., Myklebust, A., and Gelhausen, P., "ACSYNT - A Standards-Based System for Parametric Computer Aided Conceptual Design of Aircraft," AIAA Paper 92-1268, February 1992.
13. McCullers, L. A., "Aircraft Configuration Optimization Including Optimized Flight Profiles", *Proceedings of Symposium on Recent Experiences in Multidisciplinary Analysis and Optimization*, 1984, pp. 395-412 (NASA CP-2327).
14. Chai, S., Crisafuli, P., and Mason, W. H., "Aircraft Center of Gravity Estimation in Conceptual Design," AIAA Paper 95-3882, September 1995.

15. Davis, E., "Center of Gravity Envelope Development, 747-400F, " SAWE Paper 2220, May 1994.
16. Lambert, M., Ed., *Jane's All the World's Aircraft*, Sentinel House, United Kingdom, 1994.
17. Green, W., Swanborough, G., and Mowinski, J., *Modern Commercial Aircraft*, Portland House, New York, 1978.
18. Anon., *Aircraft Type Certification Data Sheets and Specification, Vol. 3: Large Multiengine Aircraft*, Department of Transportation, Federal Aviation Administration, Washington, DC, 1985.
19. Greenbank, S. J., "Landing Gear: The Aircraft Requirement," Institution of Mechanical Engineers, Proceedings, Part G, *Journal of Aerospace Engineering*, Vol. 205, 1991, pp. 27-34.
20. Anon., *FAR Part 25 Airworthiness Standards: Transport Category Airplanes*, Federal Aviation Administration, Washington, DC, October 1994.
21. Kandebo, S. W., and Dornheim, M. A., "Operability Verified In GE90 Flight Tests," *Aviation Week and Space Technology*, Vol. 142, No. 13, March 27, 1995, pp. 52-54.
22. Anon., *Airplane Characteristics for Airport Planning, 737-300, 737-400, 737-500*, Boeing Document D6-58325-2, Boeing Commercial Airplanes, Seattle, Washington, September 1988.
23. Mecham, M., "Airport Officials: Superjumbos Mean New Headaches," *Aviation Week and Space Technology*, Vol. 141, No. 21, November 21, 1994, pp. 76-80.
24. Anon., *Tire Data Sheets*, Goodyear, December, 1978.
25. Anon., *1994 Aircraft Yearbook*, The Tire and Rim Association, Inc., 1994.
26. Anon., "Aircraft Tires: Bias or Radials?" *Aerospace Engineering*, Vol. 11, No. 9, September 1991, pp. 13 -14.
27. Anon., "Technical Advances in Tyres, Wheels and Brakes: Dunlop Keeps Britain in the Forefront," *Aircraft Engineering*, November 1987, pp. 2-5.
28. Attri, N. S. and Amberg, R. L., "Advances in Landing Gear Systems," *Subsystem Testing and Flight Testing Instrumentation*, AGARD CP-299, October 1980
29. Anon., "Carbon brakes for Concorde," *Flight International*, December 30, 1971, pg. 1031.
30. Anon., "Use of Carbon Heat Sink Brakes on Aircraft," Society of Automotive Engineers, AIR 1934, 1990.

31. Liming, R. A., "Analytic Definition of a Retractable Landing Gear Axis of Rotation," *Journal of the Aeronautical Sciences*, January 1947.
32. Anon., "Aerospace Landing Gear Systems Terminology," Society of Automotive Engineers, AIR 1489, April 1977.
33. Anon., *Aerodrome Design Manual, Part 3: Pavements*, International Civil Aviation Organization, Doc. 9157-AN/901, 1983.
34. Pereira, A. T., "Procedures for development of CBR Design Curves," Instruction Report S-77-1, US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, June 1977.
35. Ahlvin, R. G. "Developing a Set of CBR Design Curves," Instruction Report 4, US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, November 1959.
36. Westergaard, H. M., "New formulas for Stresses in Concrete Pavements of Airfields," *Transactions of American Society of Civil Engineers*, Vol. 73, May 1947.
37. Packard, R. G., *Design of Concrete Airport Pavement*, Portland Cement Association, 1973, pp. 49-59.
38. Anon., *Special Design Chart for Concrete Airport Pavement: Boeing 727*, Portland Cement Association, 1994.
39. Anon., *Airplane Characteristics for Airport Planning, 747-400*, Boeing Document D6-58326-1, Boeing Commercial Airplanes, Seattle, Washington, March 1990.
40. Anon., "Standardized Method of Reporting Airport Pavement Strength," Advisory Circular AC 150/5335-5, Department of Transportation, Federal Aviation Administration, Washington, DC, June 1983.
41. Liebeck, R. H., Page, M. A., Rawdon, B. K., Scott, P. W., and Wright, R. A., "Concepts for Advanced Subsonic Transports," NASA CR-4624, September 1994.
42. Raymer, D. P., *Aircraft Design: A Conceptual Approach*, AIAA Education Series, Washington, 1989, pp. 391-405.
43. Kraus, P. R., "An Analytical Approach to Landing Gear Weight Estimation," SAWE Paper 829, May 1970.
44. Wille, R. H., "Analytical Weight Estimation of Unconventional Landing Gear Design," SAWE Paper 1905, May 1989.
45. Etkin, B., *Dynamics of Atmospheric Flight*, John Wiley & Sons, New York, 1972, pp. 114-117.

46. Beer, F. P. and Johnston, Jr., E. R., *Mechanics of Materials*, 2nd ed., McGraw-Hill, New York, 1992, pp. 610-616.
47. Megson, T. H. G., *Aircraft Structures*, 2nd. ed., Halsted Press, New York, 1990, pp. 225-293.
48. Chen, W. F., and Lui, E. M., *Structural Stability: Theory and Implementation*, Elsevier, New York, 1987, pp. 45-145.
49. Saelman, B., "Designing Cylinders and Struts for Maximum Strength," *Machine Design*, Vol., 25, No. 8, August 1953, pp. 133-138.
50. Timoshenko, S. P., and Goodier, J. N., *Theory of Elasticity*, McGraw-Hill, 1970, pp. 291-378.
51. Proctor, P., "Boeing Homes In on Future 747 Design," *Aviation Week and Space Technology*, Vol. 144, No. 6, February 5, 1996, pp. 32-33.
52. Sparaco, P., "No Money As Yet In Airbus Jumbo Plan," *Aviation Week and Space Technology*, Vol. 144, No. 25, June 17, 1996, pp. 27-28.
53. Arcara, Jr., P. C., Bartlett, D. W., McGraw, Jr., M. E., and Geiselhart, K. A., "Technology Benefits for Very Large Subsonic Transports," AIAA Paper 93-1178, February 1993.
54. Proctor, P., "Boeing Refines Designs for 600-seat NLA," *Aviation Week and Space Technology*, Vol. 141, No. 21, November 21, 1994, pp. 48-49.
55. Sparaco, P., "Airbus Weighs Four A3XX Versions," *Aviation Week and Space Technology*, Vol. 141, No. 21, November 21, 1994, p. 54.
56. Smith, B. A., "Douglas Awaits Chance to Revive Jumbo Plans," *Aviation Week and Space Technology*, Vol. 141, No. 21, November 21, 1994, p. 57.
57. Anon., "Landing Gear," *Aircraft Engineering*, July 1989, pp. 3-6.
58. Woyak, S. A., Malone, B., and Myklebust, A., "An Architecture for Creating Engineering Application: The Dynamic Integration System," *Proceedings of the Computers in Engineering Conference and the Engineering Database Symposium*, ASME, September 17-20, 1995, Boston, MA, pp. 1-8.