

Bibliography

This bibliography is limited to a very few selections that may be particularly useful to a student seeking supplementary reading. The reader looking for a more complete list of works in differential geometry will find an excellent guided tour of the literature in Volume V of Spivak's *Comprehensive Introduction* (see below).

Advanced Calculus

Fleming, W. 1977. *Functions of Several Variables*. New York-Heidelberg-Berlin: Springer-Verlag.

Differential Equations

Hurewicz, W. 1958. *Lectures on Ordinary Differential Equations*. Cambridge, Mass.: M.I.T. Press.

Linear Algebra

Hoffman, K., Kunze, R. 1961. *Linear Algebra*. Englewood Cliffs, N.J.: Prentice Hall.

Differential Geometry

do Carmo, M. 1976. *Differential Geometry of Curves and Surfaces*. Englewood Cliffs, N.J.: Prentice Hall.

Millman, R., Parker, G. 1977. *Elements of Differential Geometry*. Englewood Cliffs, N.J.: Prentice Hall.

O'Neill, B. 1966. *Elementary Differential Geometry*. New York: Academic.

Singer, I., Thorpe, J. 1976. *Lecture Notes on Elementary Topology and Geometry*. New York-Heidelberg-Berlin: Springer-Verlag.

Spivak, M. 1970, 1975. *A Comprehensive Introduction to Differential Geometry*. Vols. I-V. Boston: Publish or Perish.

(With the exception of Spivak's *Comprehensive Introduction*, each of these differential geometry texts deals primarily with 2-surfaces. do Carmo's book is, among the above, closest in spirit to this text; it covers many topics not covered here. O'Neill's book uses differential forms as primary tool; Millman and Parker rely heavily on local coordinate computations. The geometry part of the book by Singer and Thorpe deals primarily with intrinsic geometry using the calculus of differential forms on the unit sphere bundle as primary tool. Spivak's book is really a graduate level text, but it does contain many items that are accessible to the reader of the text in hand: see especially Volumes II and III.)