

BOOK LIST

A short list of typical books with brief comments is given to aid the student of this text in selecting material for collateral reading or for more advanced study.

1. Some standard elementary differential and integral calculus.

For reference the book with which the student is familiar is probably preferable. It may be added that if the student has had the misfortune to take his calculus under a teacher who has not led him to acquire an easy formal knowledge of the subject, he will save a great deal of time in the long run if he makes up the deficiency soon and thoroughly; practice on the exercises in Granville's Calculus (Ginn and Company), or Osborne's Calculus (Heath & Co.), is especially recommended.

2. B. O. PEIRCE, *Table of Integrals* (new edition). Ginn and Company.

This table is frequently cited in the text and is well-nigh indispensable to the student for constant reference.

3. JAHNKE-EMDE, *Funktionentafeln mit Formeln und Kurven*. Teubner.

A very useful table for any one who has numerical results to obtain from the analysis of advanced calculus. There is very little duplication between this table and the previous one.

4. WOODS and BAILEY, *Course in Mathematics*. Ginn and Company.

5. BYERLY, *Differential Calculus and Integral Calculus*. Ginn and Company.

6. TODHUNTER, *Differential Calculus and Integral Calculus*. Macmillan.

7. WILLIAMSON, *Differential Calculus and Integral Calculus*. Longmans.

These are standard works in two volumes on elementary and advanced calculus. As sources for additional problems and for comparison with the methods of the text they will prove useful for reference.

8. C. J. DE LA VALLÉE-POUSSIN, *Cours d'analyse*. Gauthier-Villars.

There are a few books which inspire a positive affection for their style and beauty in addition to respect for their contents, and this is one of those few. My Advanced Calculus is necessarily under considerable obligation to de la Vallée-Poussin's Cours d'analyse, because I taught the subject out of that book for several years and esteem the work more highly than any of its compeers in any language.