

Suggestions for Further Reading

This is not a bibliography, but a very personal selection of useful books and articles.

There are many undergraduate texts in recursion theory. My favorite is *Computability, Complexity, and Languages* by Davis and Weyuker. It treats several topics of particular interest in computer science which are not touched on in this notes.

The standard graduate text in recursion theory has always been *Theory of Recursive Functions and Effective Computability* by Rogers. Although badly out of date, it is still a valuable reference. It has a very large supply of excellent problems.

For readers with at least a little background in recursion theory, *Recursively Enumerable Sets and Degrees* by Soare is a valuable book, either for learning or for reference. It contains much more material on the topics considered in sections 14–17 of these notes, as well as material on the lattice of RE sets, which we have not touched on. It is written in a rather compressed style; the reader is expected to do his share of the work.

The standard text on Descriptive Set Theory (see §20) is *Descriptive Set Theory* by Moschovakis. Among other things, it contains much interesting historical information.

The *Handbook of Mathematical Logic*, edited by Barwise, contains valuable introductory articles on several topics in recursion theory.

There are extensive bibliographies of journal articles in the books mentioned above.

