962-68-151 James Korsh (korsh@temple.edu), Computer Science Department, Temple University, Philadlphia, PA 19122, and Paul LaFollette (lafollet@temple.edu) and Seymour Lipschutz* (seymour@math.temple.edu). Schroeder trees and loopless algorithms.

This paper discusses the relationship between binary and Schroeder trees, and it gives the first loopless algorithm which generates all the Schroeder trees with m external nodes. [An algorithm generating a set of combinatorial objects is loopless if it takes constant time between each object.] (Received August 11, 2000)