FLOWCHART OF HarPE

OSA-94-OS-21-R

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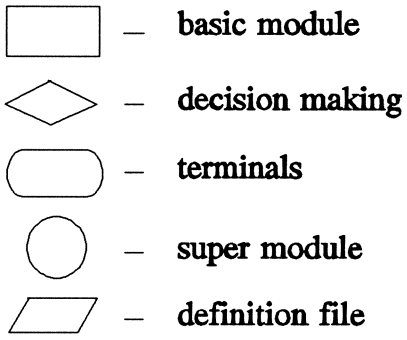
FLOWCHART OF HarPE

I. INTRODUCTION

This report dispatched the flowchart of HarPE. All C files, FORTRAN files and the major include files of HarPE are indicated in the flowchart. It gives a brief and clear view of the execution flow of the program.

II. DEFINITION OF SYMBOLS

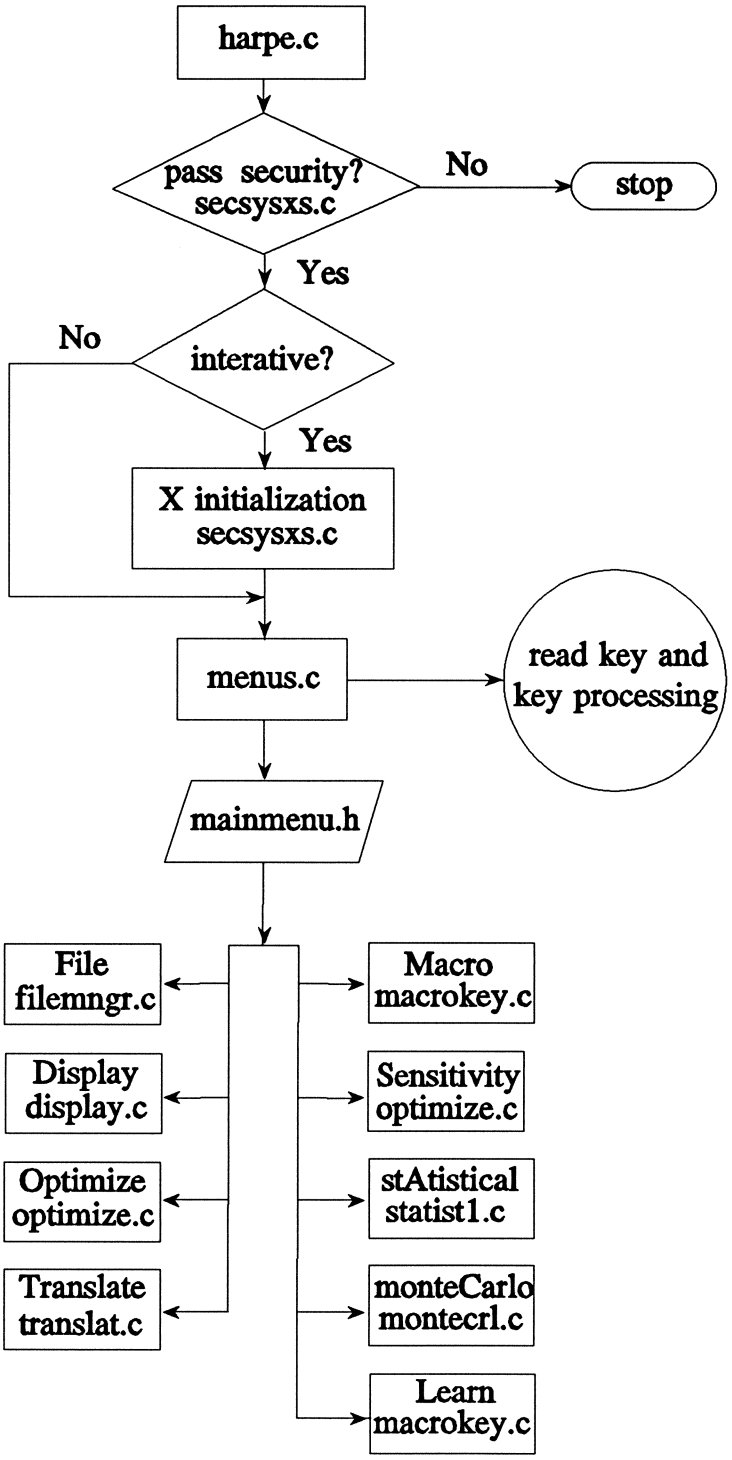
The definition of the symbols used in the flowchart is as follows.



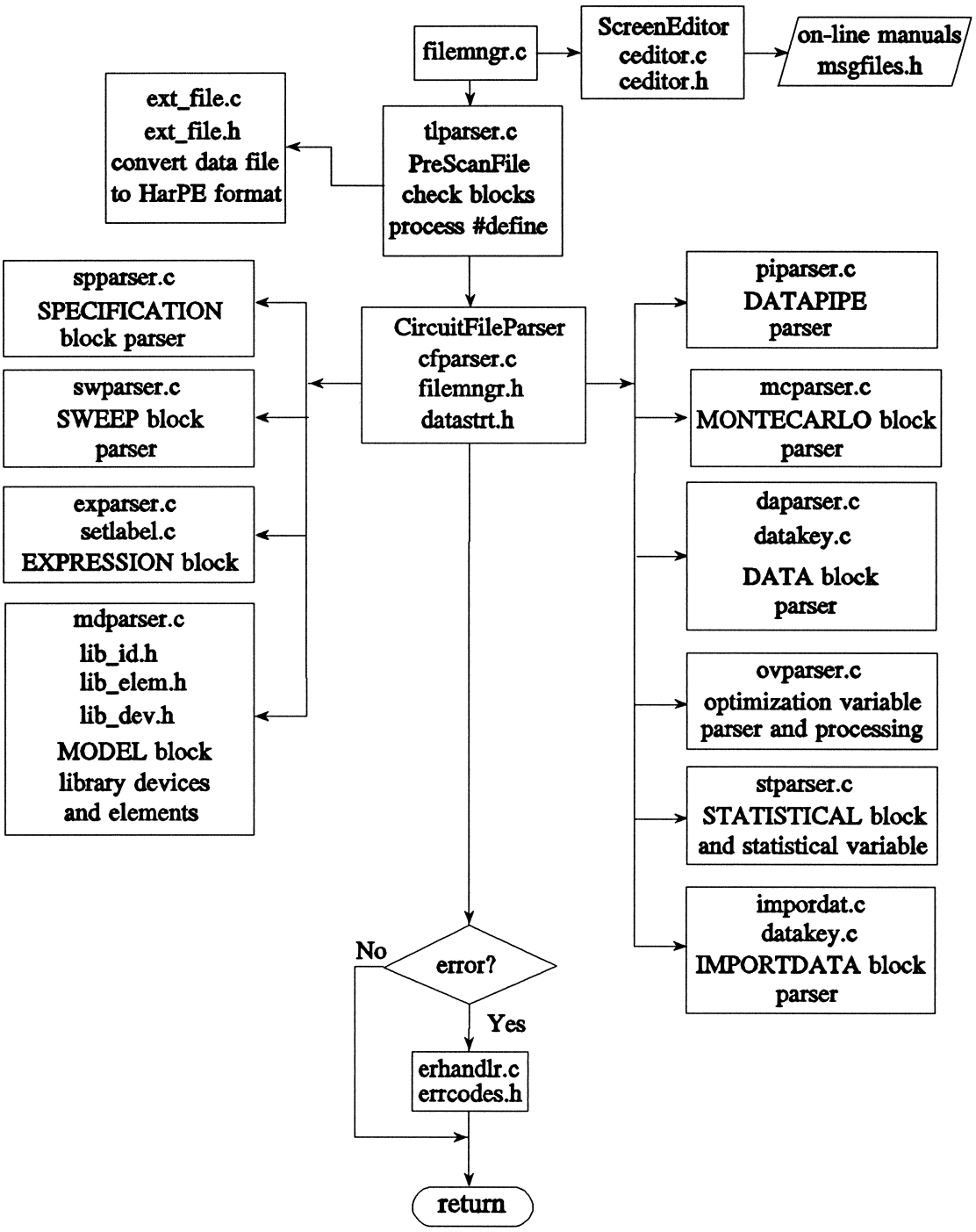
III. FLOWCHART

The flowchart of HarPE is divided into seven parts including main program, file editing and parsing, simulation (display), optimization, sensitivity analysis, statistical modeling and Monte Carlo analysis. Four super modules for simulator, optimizer, key reading and processing, and graphical plotting are shown separately.

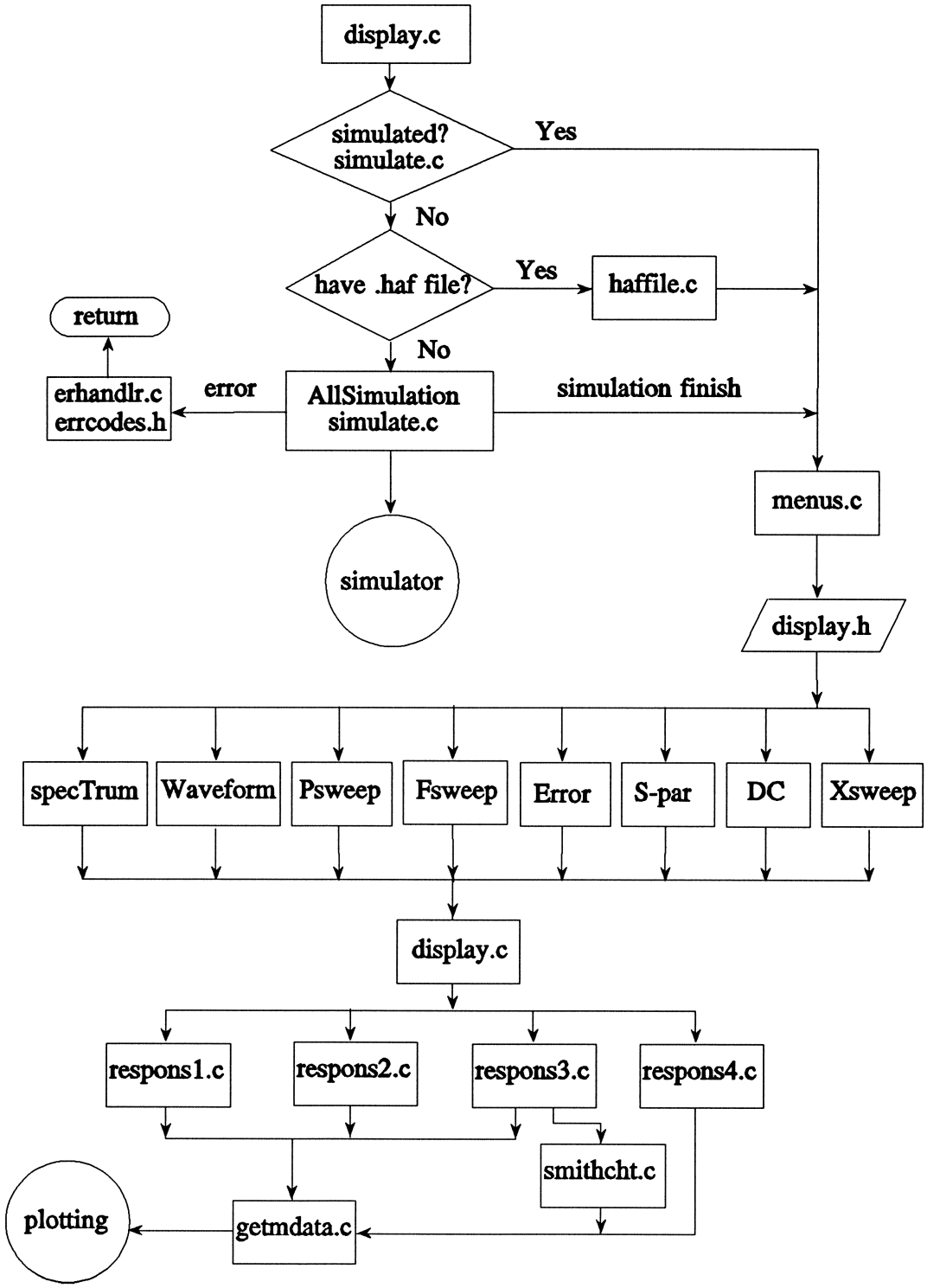
A. Flowchart for the Main Program



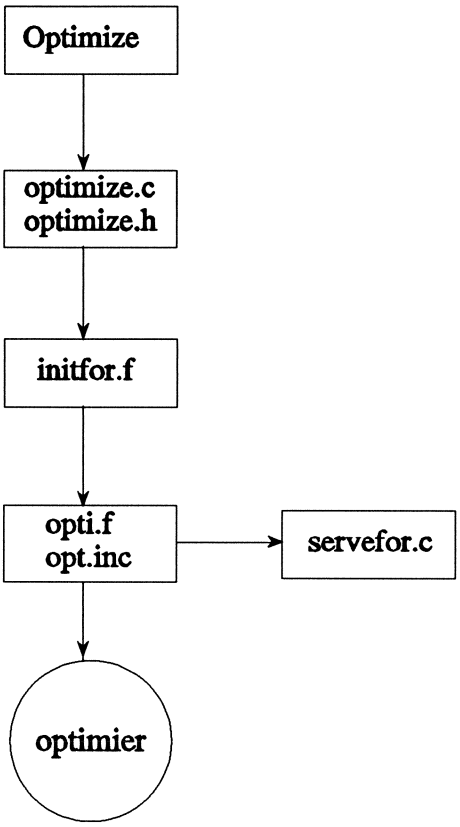
B. Flowchart for File Editing and Parsing



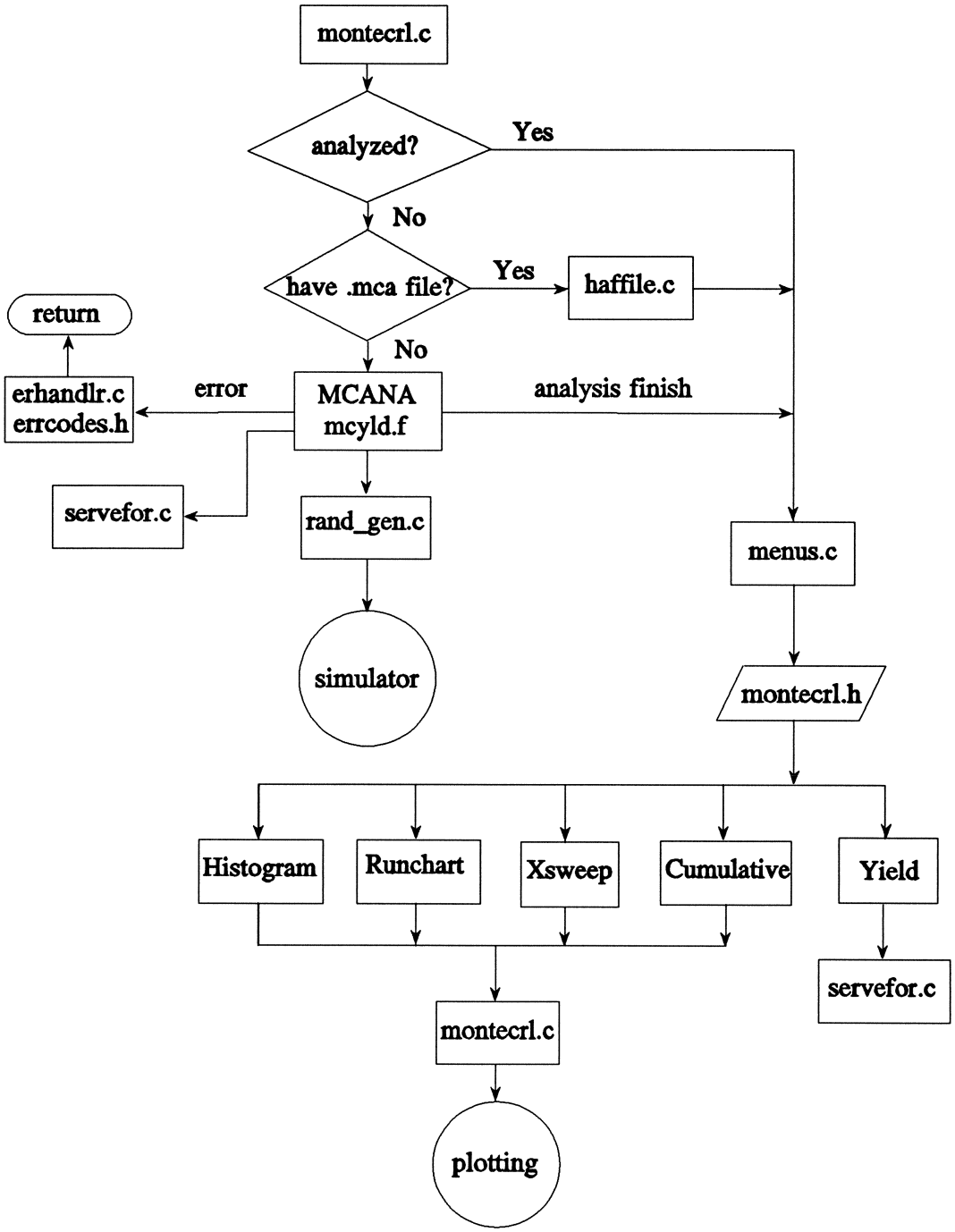
C. Flowchart for Display



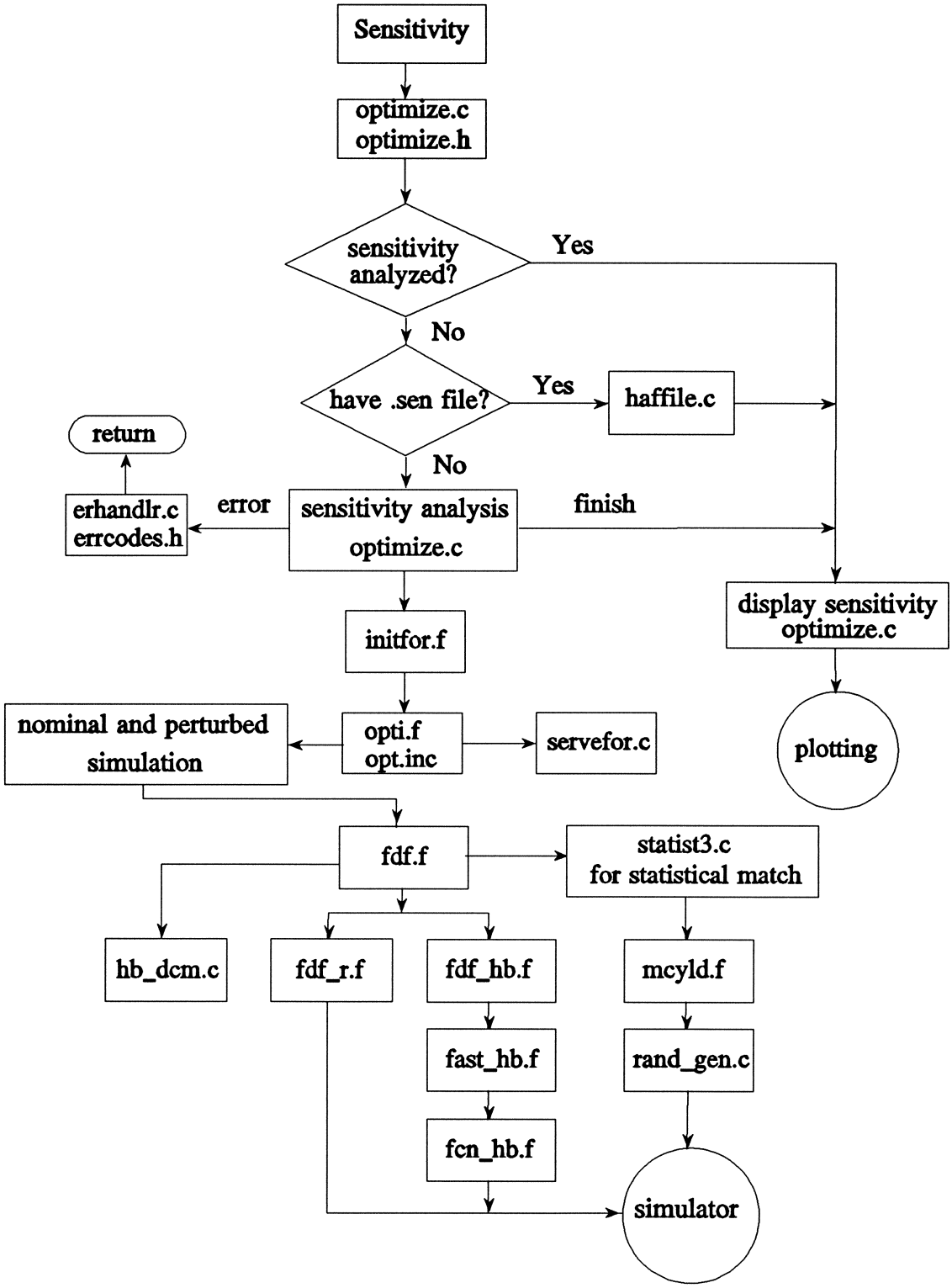
D. Flowchart for Optimization



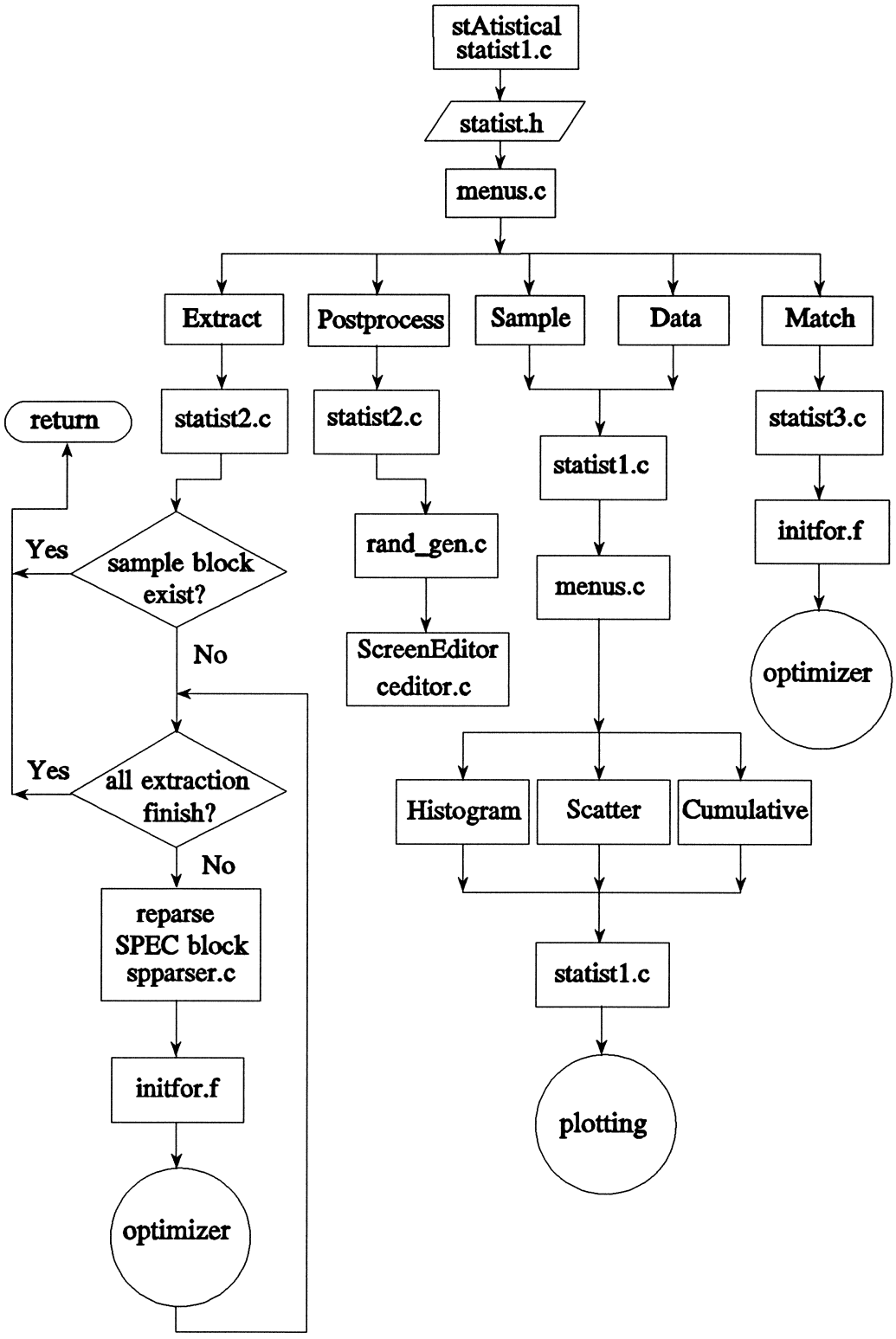
E. Flowchart for Monte Carlo Simulation



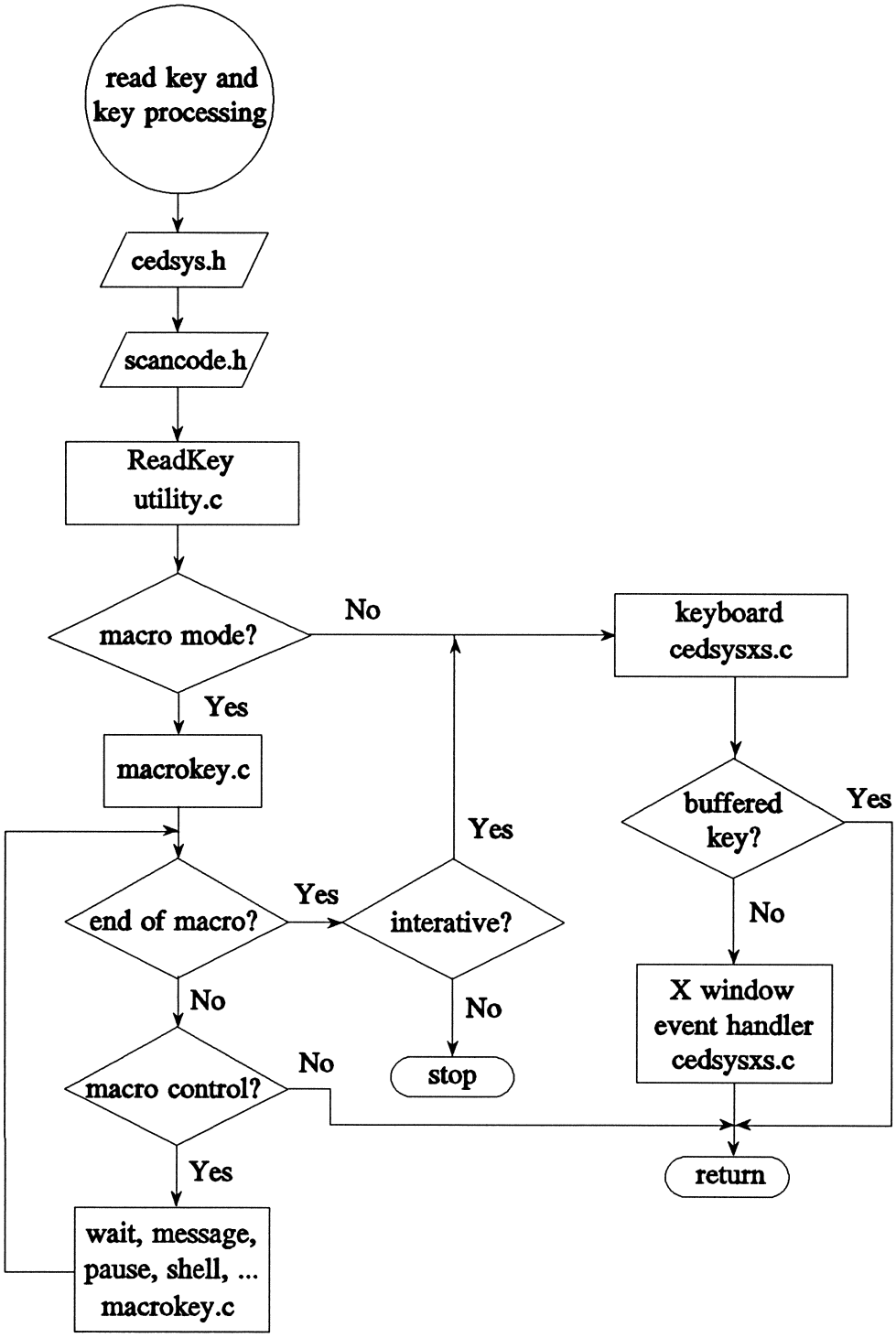
F. Flowchart for Sensitivity Analysis



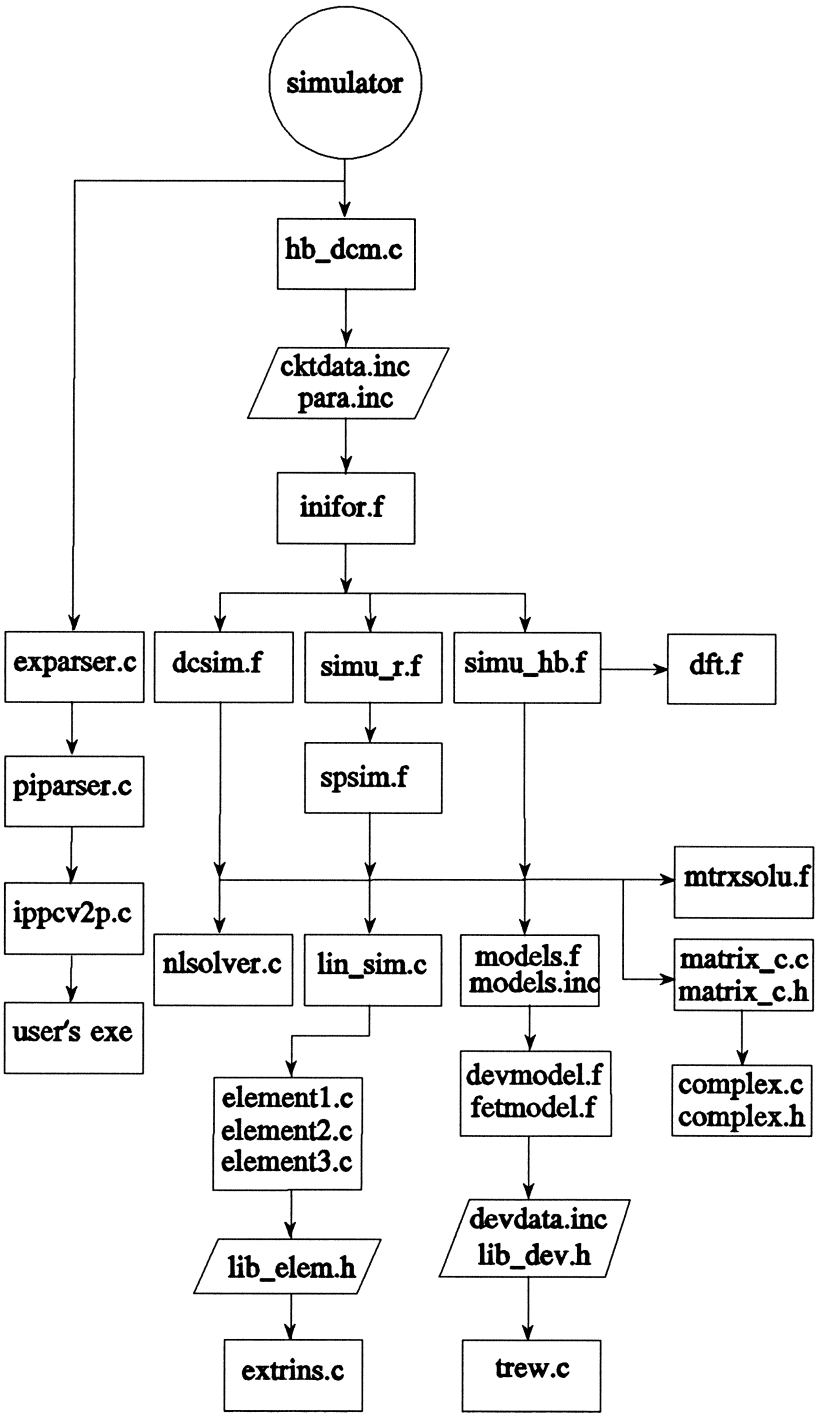
G. Flowchart for Statistical Modeling



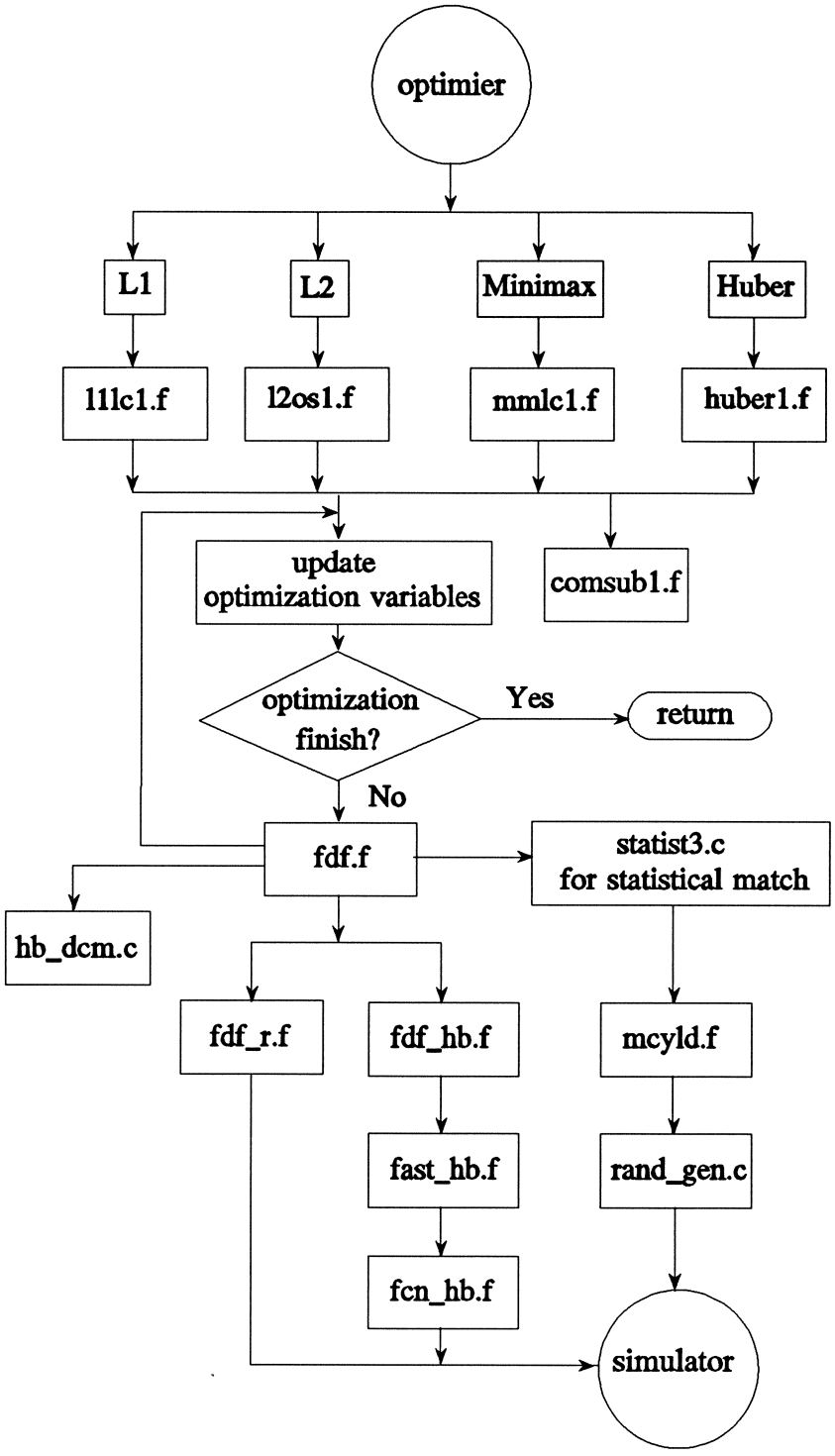
H. Super Module of Key Reading and Processing



I. Super Module of Simulator



J. Super Module of Optimizer



k. Super Module of Graphical Plotting