About This Manual

Objectives of This Manual

This manual describes how to develop, compile, execute, and debug C* programs on a CM-5 Connection Machine system.

Intended Audience

Readers are assumed to have a working knowledge of the C* language and of the UNIX operating system.

Organization of This Manual

Chapter 1 **Introduction**
Chapter 1 is a brief overview.

Chapter 2 **Developing a C* Program**
This chapter describes C* libraries and associated header files, and explains how to call CM library functions and CM Fortran subroutines from a C* program.

Chapter 3 **Compiling a C* Program**
Chapter 3 describes the C* compiler and its command line options.

Chapter 4 **Executing a C* Program**
Chapter 4 describes how to run a C* program.

Chapter 5 **Debugging a C* Program**
This chapter gives an overview of how to debug a C* program in Prism, the Connection Machine's programming environment.

Appendix A **Man Pages**
This appendix contains man pages for the **cs** compiler command and C* header files.

Associated Documents

See the *C* Programming Guide* for a description of the C* language.

The manual *Getting Started in C** provides an overview of C* for beginning users.

The manual *CM-5 C* Performance Guide* provides information on how to increase the performance of your C* program on the CM-5.

Notation Conventions

The table below displays the notation conventions used in this manual:

Convention	Meaning
`bold typewriter`	C* and C language elements, such as keywords, operators, and function names, when they appear embedded in text. Also UNIX and CMOST commands, command options, and file names.
italics	Parameter names and placeholders in function and command formats.
`typewriter`	Code examples and code fragments.
`%` **`boldface`**	In interactive examples, user input is shown in **`boldface`** and system output is shown in `regular typewriter` font.