Introduction

This reference manual describes the CMMD library, a library of communication routines for creating message-passing programs to run on the Connection Machine CM-5 supercomputer. It is divided into two parts:

- **Part I, Programming with CMMD,** presents basic concepts and a general introduction to these topics:
  - parallel programming
  - CMMD messages, including important guidelines for successful programming
  - programming models and execution models
- **Part II, The CMMD Library,** presents the CMMD routines by functional group:
  - cooperative functions
  - cooperative auxiliary functions
  - asynchronous functions
  - asynchronous auxiliary functions
  - virtual channels
  - global communication
  - synchronization
  - interrups and polling
  - CMAML (active messages, block data transfers, handlers and auxiliary functions)
  - I/O
  - error handling
  - CMMD timers

Copyright © 1995 Thinking Machines Corporation

- changing defaults
- host/node programming environment
- extending CMAML
- implementation of messages

Version 3.3, April 1995
Copyright © 1995 Thinking Machines Corporation