Deprecated	MPI-2 Replacement	
MPI_ADDRESS	MPI_GET_ADDRESS	2
MPI_TYPE_HINDEXED	MPI_TYPE_CREATE_HINDEXED	3
MPI_TYPE_HVECTOR	MPI_TYPE_CREATE_HVECTOR	4
MPI_TYPE_STRUCT	MPI_TYPE_CREATE_STRUCT	5
MPI_TYPE_EXTENT	MPI_TYPE_GET_EXTENT	6
MPI_TYPE_UB	MPI_TYPE_GET_EXTENT	7
MPI_TYPE_LB	MPI_TYPE_GET_EXTENT	8
MPI_LB	MPI_TYPE_CREATE_RESIZED	9
MPI_UB	MPI_TYPE_CREATE_RESIZED	10
MPI_ERRHANDLER_CREATE	MPI_COMM_CREATE_ERRHANDLER	11
MPI_ERRHANDLER_GET	MPI_COMM_GET_ERRHANDLER	12
MPI_ERRHANDLER_SET	MPI_COMM_SET_ERRHANDLER	13
MPI_Handler_function	MPI_Comm_errhandler_fn	14
MPI_KEYVAL_CREATE	MPI_COMM_CREATE_KEYVAL	15
MPI_KEYVAL_FREE	MPI_COMM_FREE_KEYVAL	16
MPI_DUP_FN	MPI_COMM_DUP_FN	17
MPI_NULL_COPY_FN	MPI_COMM_NULL_COPY_FN	18
MPI_NULL_DELETE_FN	MPI_COMM_NULL_DELETE_FN	19
MPI_Copy_function	MPI_Comm_copy_attr_function	20
COPY_FUNCTION	COMM_COPY_ATTR_FN	21
MPI_Delete_function	MPI_Comm_delete_attr_function	22
DELETE_FUNCTION	COMM_DELETE_ATTR_FN	23
MPI_ATTR_DELETE	MPI_COMM_DELETE_ATTR	24
MPI_ATTR_GET	MPI_COMM_GET_ATTR	25
MPI_ATTR_PUT	MPI_COMM_SET_ATTR	26

Table 2.1: Deprecated constructs

user codes that are discussed in detail in Section 16.2.2. They are also inconsistent with
Fortran 77.

2.6.3   C Binding Issues

We use the ISO C declaration format. All `MPI` names have an `MPI_` prefix, defined constants
are in all capital letters, and defined types and functions have one capital letter after the
prefix. Programs must not declare variables or functions with names beginning with the
prefix `MPI_`. To support the profiling interface, programs should not declare functions with
names beginning with the prefix `PMPI_`.

The definition of named constants, function prototypes, and type definitions must be
supplied in an include file `mpi.h`.

Almost all C functions return an error code. The successful return code will be
`MPI_SUCCESS`, but failure return codes are implementation dependent.

Type declarations are provided for handles to each category of opaque objects.

Array arguments are indexed from zero.

Logical flags are integers with value 0 meaning "false" and a non-zero value meaning
"true."