Errata for MPI-4.0

This document was processed on July 6, 2022.

The known corrections to MPI-4.0 are listed in this document. All page and line numbers are for the official version of the MPI-4.0 document available from the MPI Forum home page at www.mpi-forum.org. Information on reporting mistakes in the MPI documents is also located on the MPI Forum home page.

This is a DRAFT and is not official. It may contain errata items that are currently under discussion and have not yet been voted in by the MPI Forum. Such items are marked as Pending Errata:

- Page 113, lines 6–7 read:

  MPI_Psend_init(message, partitions, count, xfer_type, dest, tag,
  info, MPI_COMM_WORLD, &request);

  but should be

  MPI_Psend_init(message, partitions, count, xfer_type, dest, tag,
  MPI_COMM_WORLD, info, &request);

- Page 113, lines 25–26 read:

  MPI_Precv_init(message, partitions, count, xfer_type, source, tag,
  info, MPI_COMM_WORLD, &request);

  but should be

  MPI_Precv_init(message, partitions, count, xfer_type, source, tag,
  MPI_COMM_WORLD, info, &request);

- Page 114, lines 28–29 read:

  MPI_Psend_init(message, send_partitions, count, send_type, dest, tag,
  info, MPI_COMM_WORLD, request);

  but should be

  MPI_Psend_init(message, send_partitions, count, send_type, dest, tag,
  MPI_COMM_WORLD, info, &request);
• Page 115, lines 12–13 read:

    MPI_Precv_init(message, recv_partitions, recv_partlength, MPI_DOUBLE,
    source, tag, info, MPI_COMM_WORLD, &request);

but should be

    MPI_Precv_init(message, recv_partitions, recv_partlength, MPI_DOUBLE,
    source, tag, MPI_COMM_WORLD, info, &request);

• Page 116, lines 21–22 read:

    MPI_Psend_init(message, send_partitions, 1, send_type, dest, tag,
    info, MPI_COMM_WORLD, &request);

but should be

    MPI_Psend_init(message, send_partitions, 1, send_type, dest, tag,
    MPI_COMM_WORLD, info, &request);

• Page 116, lines 40–41 read:

    MPI_Precv_init(message, recv_partitions, recv_partlength, MPI_DOUBLE,
    source, tag, info, MPI_COMM_WORLD, &request);

but should be

    MPI_Precv_init(message, recv_partitions, recv_partlength,
    MPI_DOUBLE, source, tag, MPI_COMM_WORLD, info, &request);

• Page 484, line 23 reads

    int MPI_Info_create_env(int argc, char argv[], MPI_Info *info)

but should read

    int MPI_Info_create_env(int argc, char *argv[], MPI_Info *info)

• Page 521, line 7. Add

    The MPI procedures described in this section require the World Model,
    meaning that MPI_INIT or MPI_INIT_THREAD has been used to initialize
    MPI.

to the end of the paragraph in Section 11.7.

• Page 640, after line 36, is missing MPI_Status_set_elements_c:

    int MPI_Status_set_elements_c(MPI_Status *status, MPI_Datatype datatype,
    MPI_Count count)

Several lists of routines need to have this routine added as well.