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.