

Error classes (continued)

C type: <code>const int</code> (or unnamed <code>enum</code>)
Fortran type: <code>INTEGER</code>
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<code>MPI_T_ERR_CANNOT_INIT</code>
<code>MPI_T_ERR_NOT_INITIALIZED</code>
<code>MPI_T_ERR_MEMORY</code>
<code>MPI_T_ERR_INVALID</code>
<code>MPI_T_ERR_INVALID_INDEX</code>
<code>MPI_T_ERR_INVALID_ITEM</code>
<code>MPI_T_ERR_INVALID_SESSION</code>
<code>MPI_T_ERR_INVALID_HANDLE</code>
<code>MPI_T_ERR_INVALID_NAME</code>
<code>MPI_T_ERR_OUT_OF_HANDLES</code>
<code>MPI_T_ERR_OUT_OF_SESSIONS</code>
<code>MPI_T_ERR_CVAR_SET_NOT_NOW</code>
<code>MPI_T_ERR_CVAR_SET_NEVER</code>
<code>MPI_T_ERR_PVAR_NO_WRITE</code>
<code>MPI_T_ERR_PVAR_NO_STARTSTOP</code>
<code>MPI_T_ERR_PVAR_NO_ATOMIC</code>
<code>MPI_ERR_LASTCODE</code>

Buffer Address Constants

C type: <code>void * const</code>
Fortran type: (predefined memory location) ¹
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<code>MPI_BOTTOM</code>
<code>MPI_IN_PLACE</code>

¹ Note that in Fortran these constants are not usable for initialization expressions or assignment. See Section 2.5.4.

Assorted Constants

C type: <code>const int</code> (or unnamed <code>enum</code>)
Fortran type: <code>INTEGER</code>
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<code>MPI_PROC_NULL</code>
<code>MPI_ANY_SOURCE</code>
<code>MPI_ANY_TAG</code>
<code>MPI_UNDEFINED</code>
<code>MPI_BSEND_OVERHEAD</code>
<code>MPI_KEYVAL_INVALID</code>
<code>MPI_LOCK_EXCLUSIVE</code>
<code>MPI_LOCK_SHARED</code>
<code>MPI_ROOT</code>

No Process Message Handle

C type: <code>MPI_Message</code>
Fortran type: <code>INTEGER</code> or <code>TYPE(MPI_Message)</code>
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<code>MPI_MESSAGE_NO_PROC</code>
