

MPI Forum 2023/09/13-14-15

# Groups, Contexts, Communicators and Caching Chapter Diff

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# Formal changes

- processes → MPI processes
- Removed whitespaces
- Indexing of "pending communication(s)"
- \texttt → \code (in some places)
- Font changes for function arguments in text description (e.g. line 1247)

# Formal/Editor changes

- \paragraph → \paraheading
- \paragraph{} → \paragraph\*{}
- \constmain → \mpiconstmain
- \const → \mpiconst
- No hyphen version for some words (e.g. nonoverlapping)
- Don't → do not
- Added ":" for some descriptions
- Listing mode instead of verbatim mode for code examples
- \exindex → \Exindex (indexing modified for code examples)
- Some which hunting throughout (which → that)
- \ftype → \code
- \const → \error (for MPI SUCCESS)
- \mpifunc → \mpiconstfunc
- \mpifuncmainindex → \mpiconstfuncmain
- \mpiskipfunc → \mpiconstfuncskip



### Contents of MPI 4.1 list

- According to the list "contents of MPI-4.1" on Github (with "chap-contexts" label):
  - Memory allocation kind info (#580/PR#714) → OK
  - "Pending operation" in MPI Comm free not defined (#543/PR#791) → OK
  - MPI Comm create from group and friends need clarification of errhandler argument (#511/PR#629) → OK
  - Allow MPI \* GET NAME functions to accept MPI \* NULL handles (#544/PR#652) → OK
  - Clarify/fix description and usage of MPI GROUP NULL (#534/PR#651) → OK
  - Info key(s) for Start Ordering Persistent Collective Communication (#83/PR#666) → OK
  - Allow pset names to guide splitting in MPI Comm split type (#538/PR#761) → OK
  - Remove/modify text in Section 7.7.1 (Functionality) (#496/PR#634) → OK
  - Fix Incorrect Usage of Rank/Task/etc. in Contexts Chapter (#474/PR#710) → OK
  - Erratum/Ticket 0 change in chapter 7 (MPI COMM CREATE): wrong font fix (#550/PR#660) → OK
  - Update verbatim examples to example environment for context chapter (#557/PR#676) → OK
  - MPI Comm disconnect is not stated to delete attributes (#687/PR#827) → OK
  - clarify what is (and is not) duplicated by MPI COMM DUP (#690/PR#830) → OK
  - 'Pending communication' not defined in definition of MPI Comm disconnect (#710/PR#823) → NOT OK, but the context.tex file is not modified by PR#823
  - 'Pending operation' not defined, pending proper definition (#676/PR#825) -> OK



## Contents of MPI 4.1 list

- According to the list "contents of MPI-4.1" on Github (without any "chap-\*" label):
  - Enhancing MPI Examples indexing (#525) → OK
  - Consistent use: Throughout Table Formattings (#162) → OK
  - Consistent use: Throughout Replace \const with More Specific Macros (#165) → OK
  - Update: Multiple occurances Which/That Whichhunt (#232) → OK
  - Update: Throughout Clarify LaTeX Paragraph (#241) → OK
  - Update: Throughout Use LaTeX Lists (#242) → OK
  - Make the examples index better (#287)  $\rightarrow$  OK
  - Consistency: use of non vs non- (#316) → OK
  - Examples are incorrectly indexed (#340) → OK

