Something went wrong. Reload.

QUESTIONS RESPONSES 18

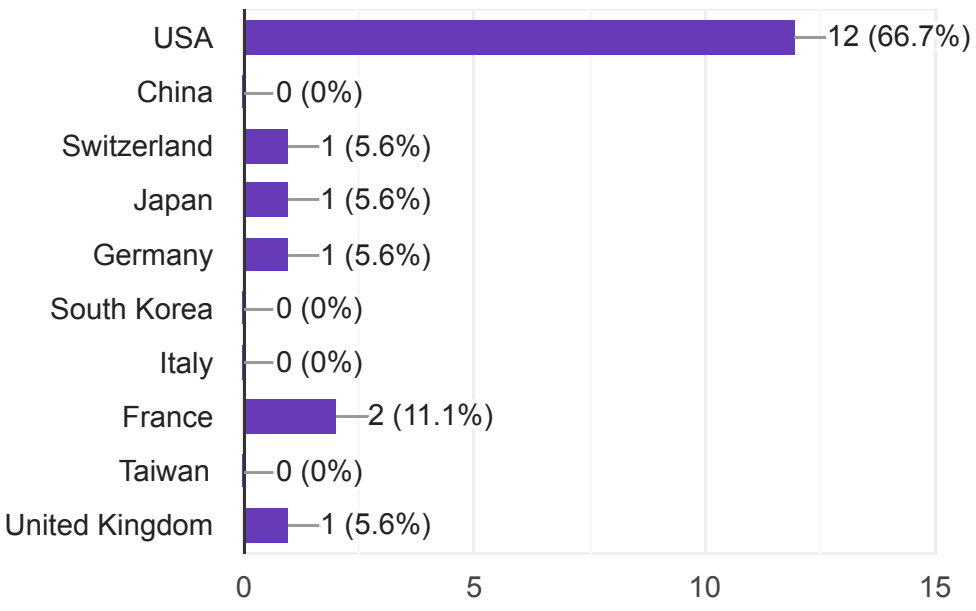
18 responses

SUMMARY INDIVIDUAL

Accepting responses

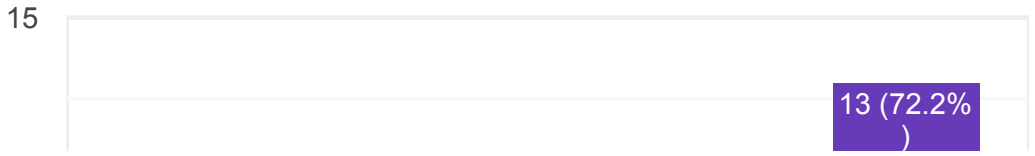
Select country or region(s) of your work place

18 responses



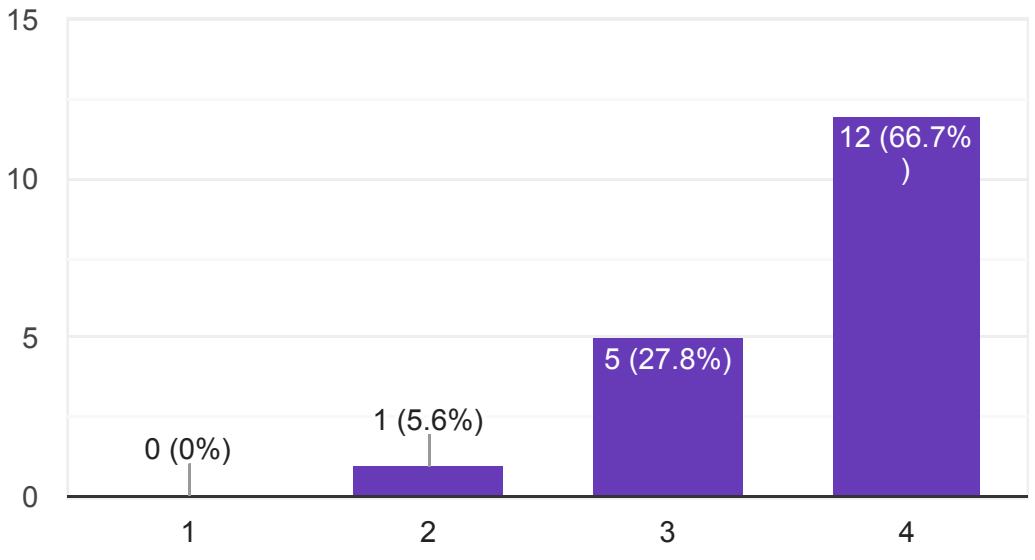
Your Programming Expertise

18 responses



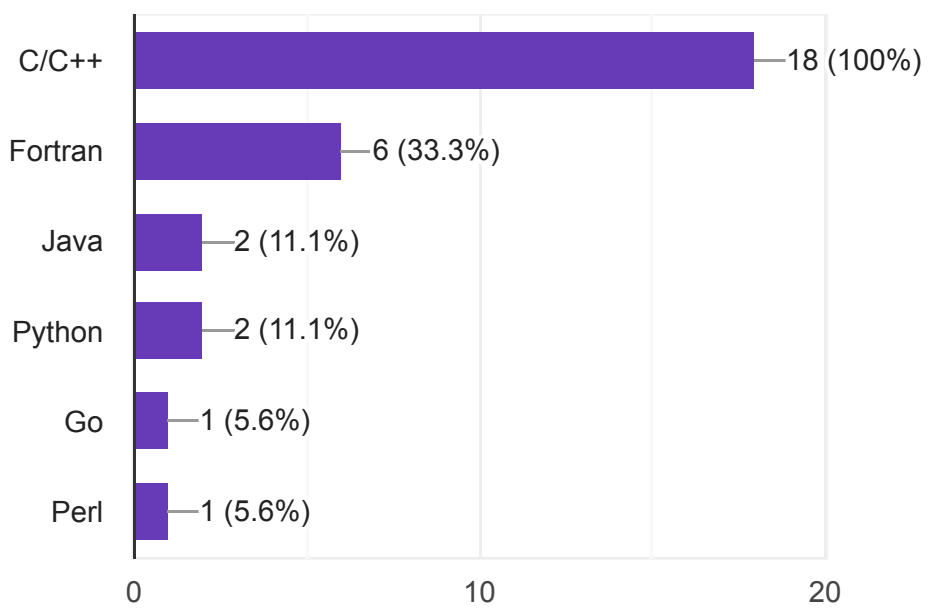
Your MPI Expertise

18 responses



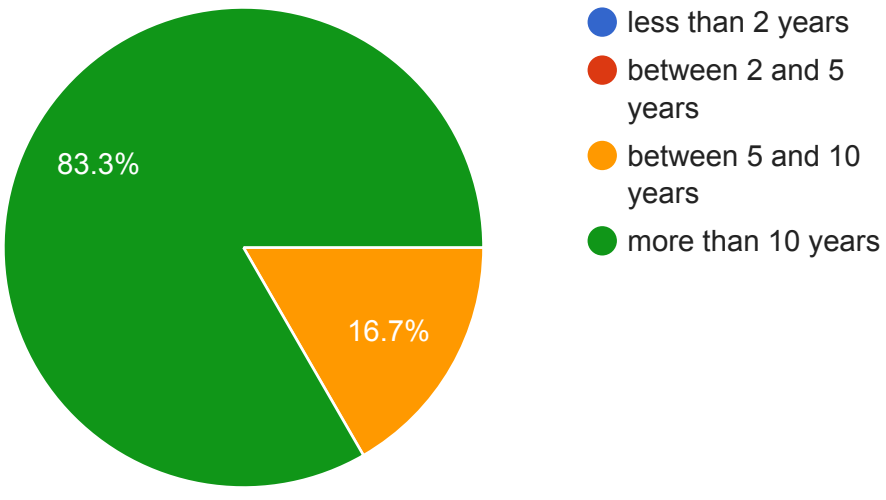
What programming language do you use most often?

18 responses



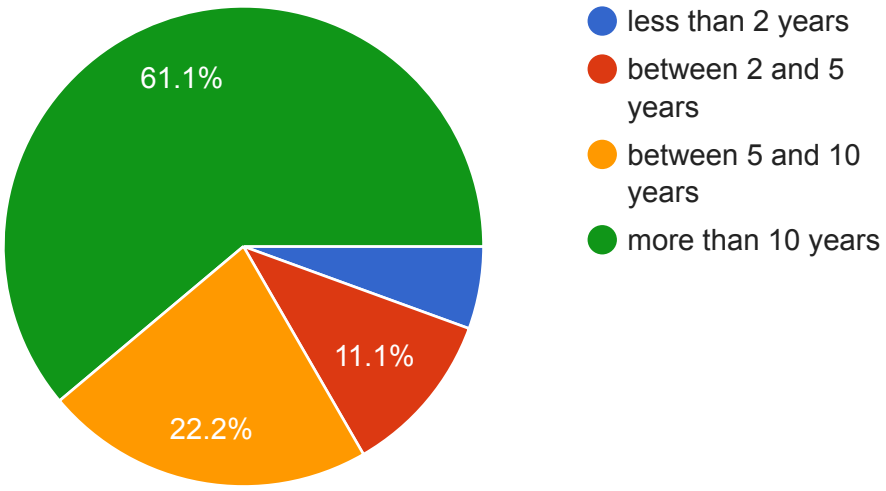
How long have you been writing computer programs?

18 responses



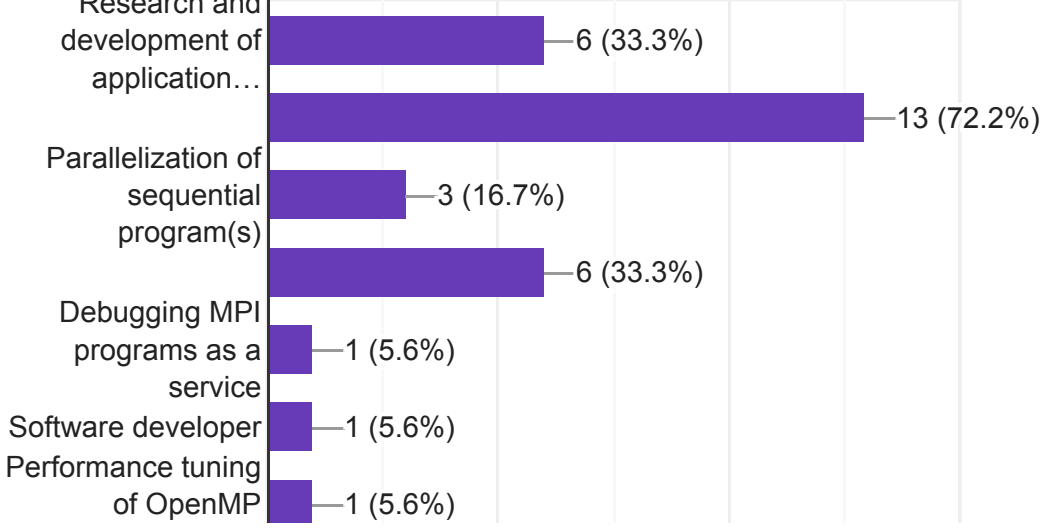
How long have you been writing MPI programs?

18 responses



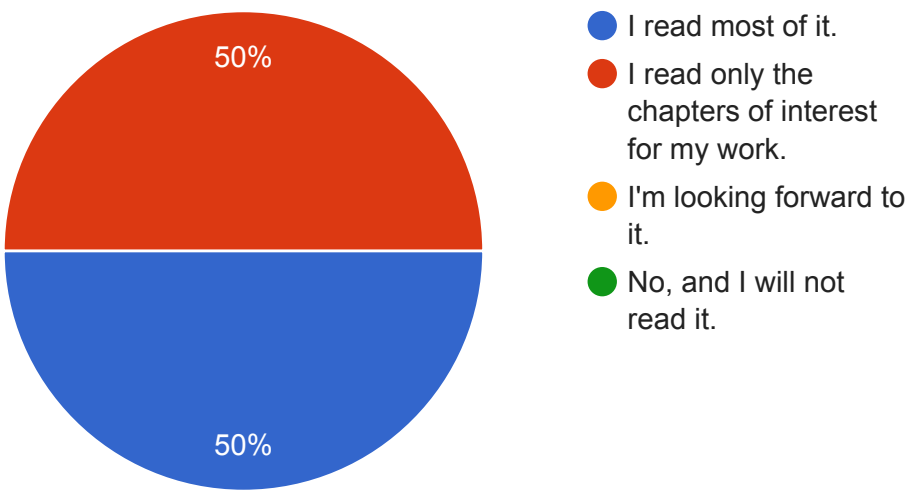
What is your major role?

18 responses



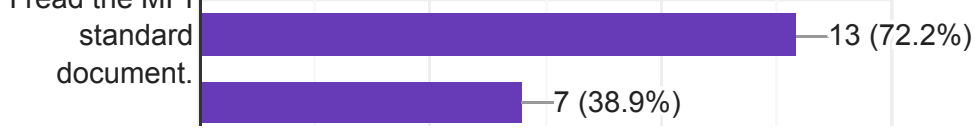
Have you ever read the MPI standard specification document?

18 responses



How did you learn MPI?

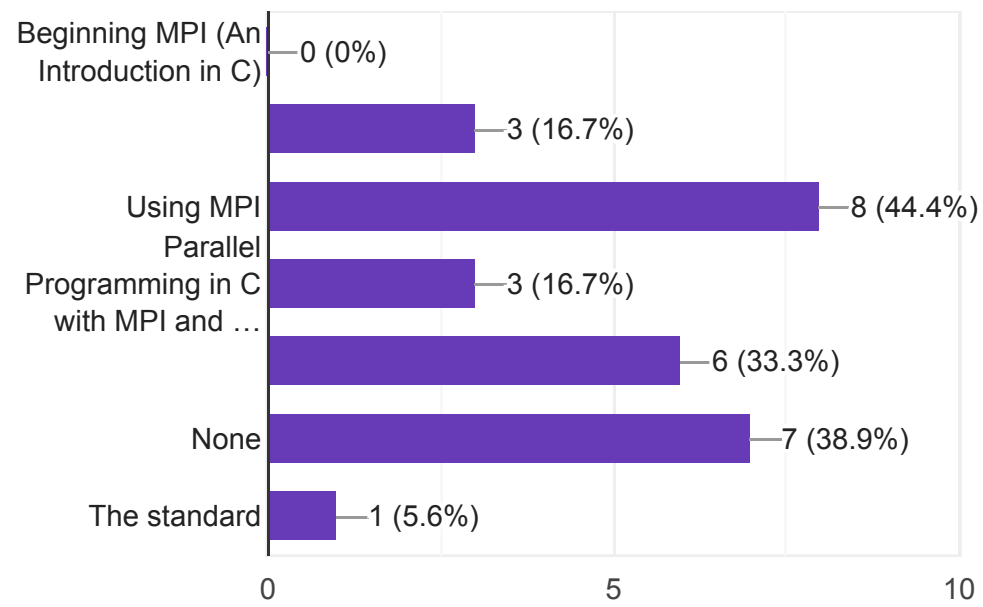
18 responses



MPI companion book selection

Which MPI book have you read?

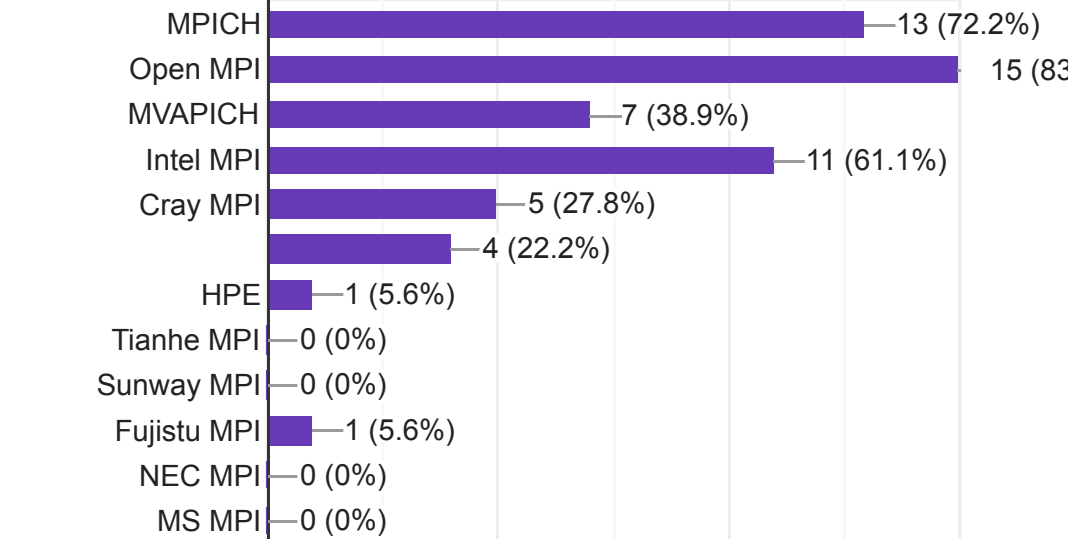
18 responses



MPI International Survey

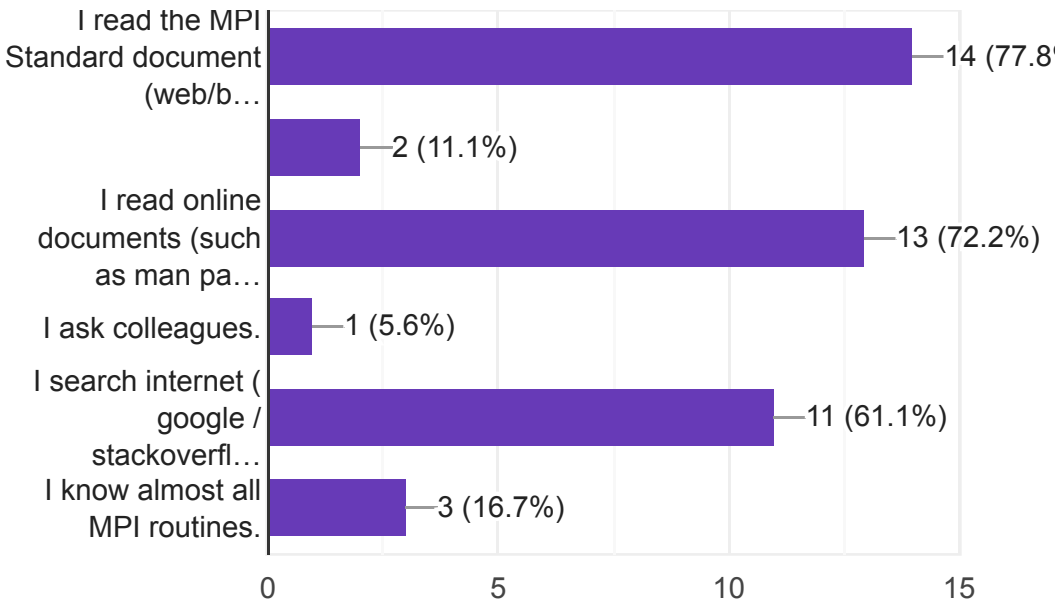
Which MPI implementations do you use?

18 responses



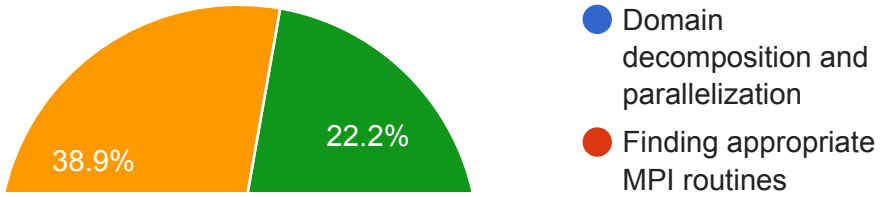
How do you check MPI specifications when you are writing MPI programs?

18 responses



What is the hardest process when you write an MPI program?

18 responses

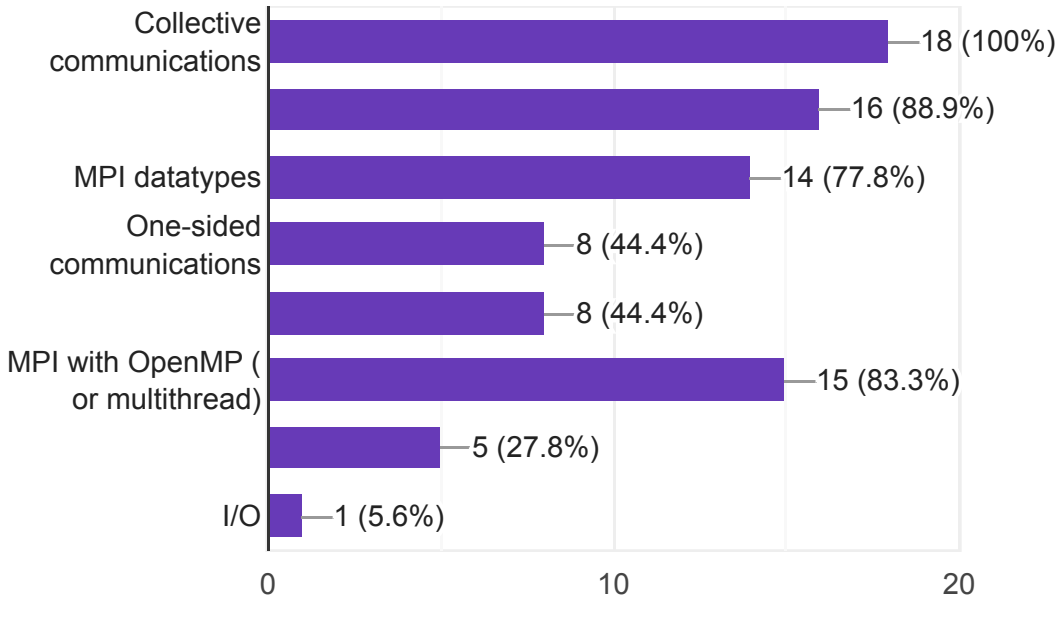


Which MPI features you haven't heard of ?

5 responses

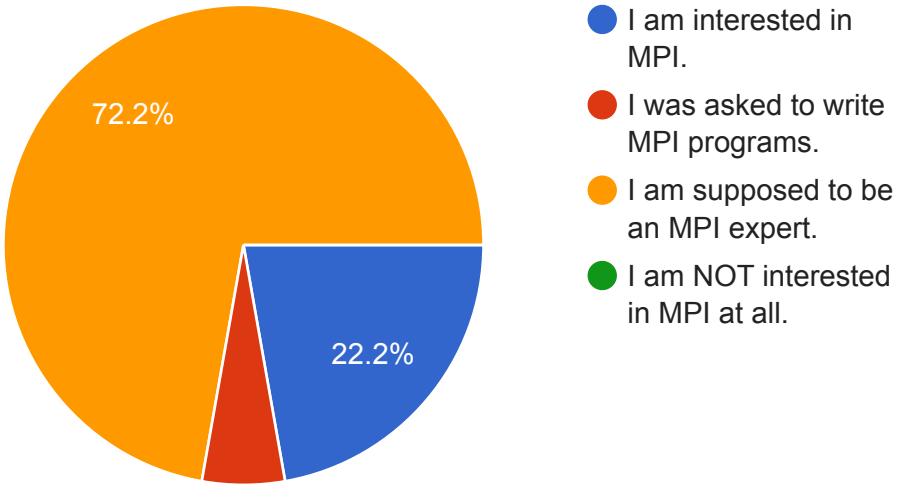
Which MPI features have you have already used?

18 responses



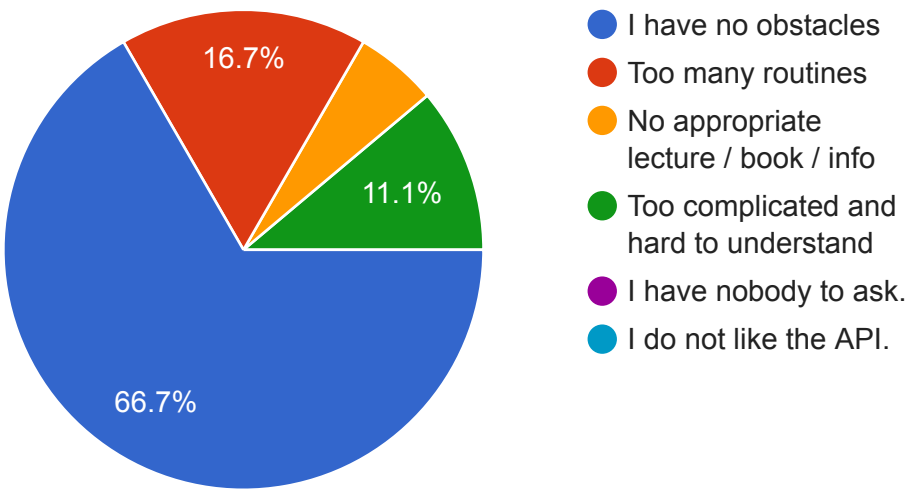
In what circumstances do you use MPI?

18 responses



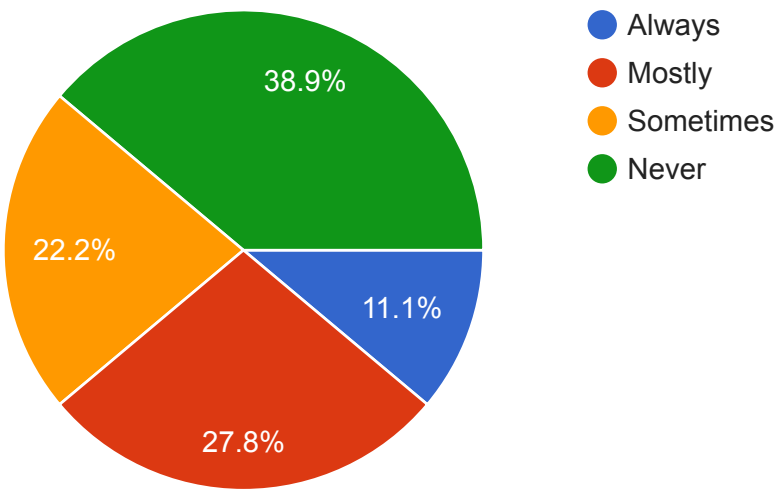
What are your obstacles to master MPI?

18 responses



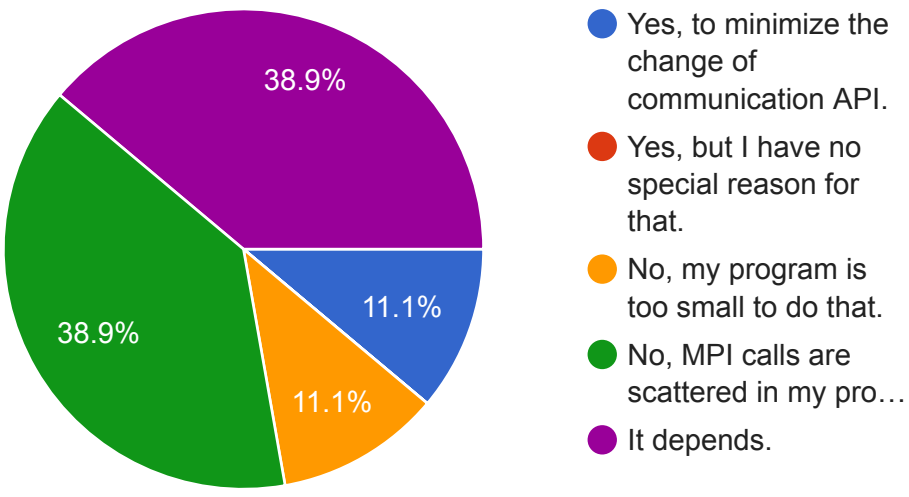
Every time you call an MPI routine, do you check the error code of the MPI routine?

18 responses



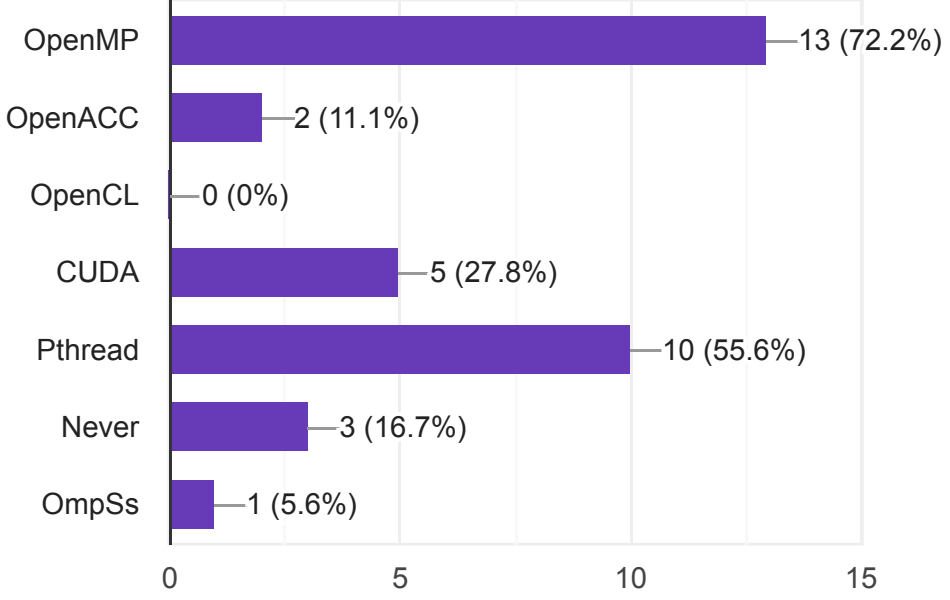
In most of your programs do you pack MPI function calls into one file or a few files?

18 responses



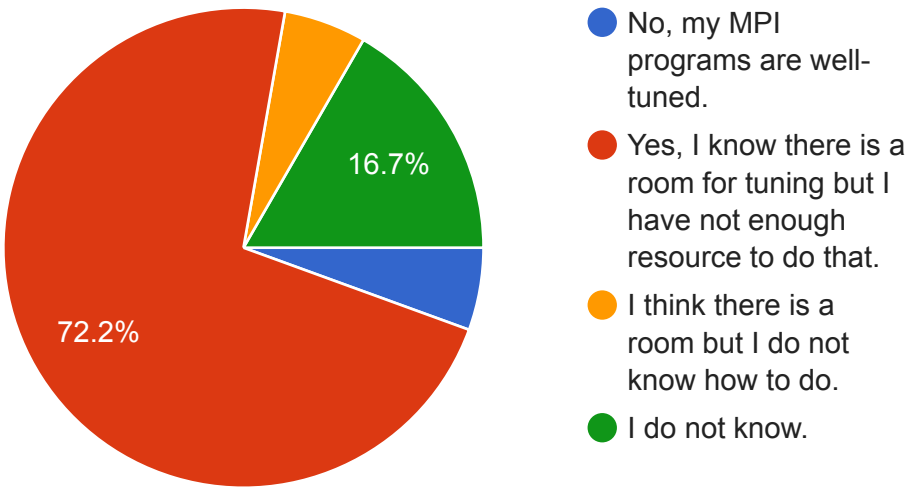
Have you ever written MPI+"X" programs?

18 responses



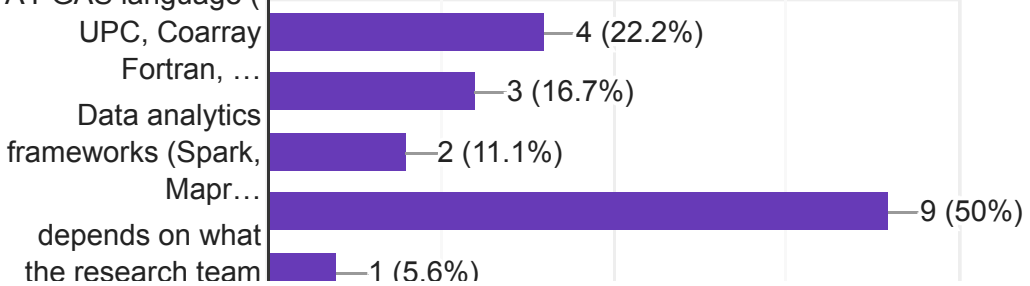
Is there any room for tuning in your MPI programs?

18 responses



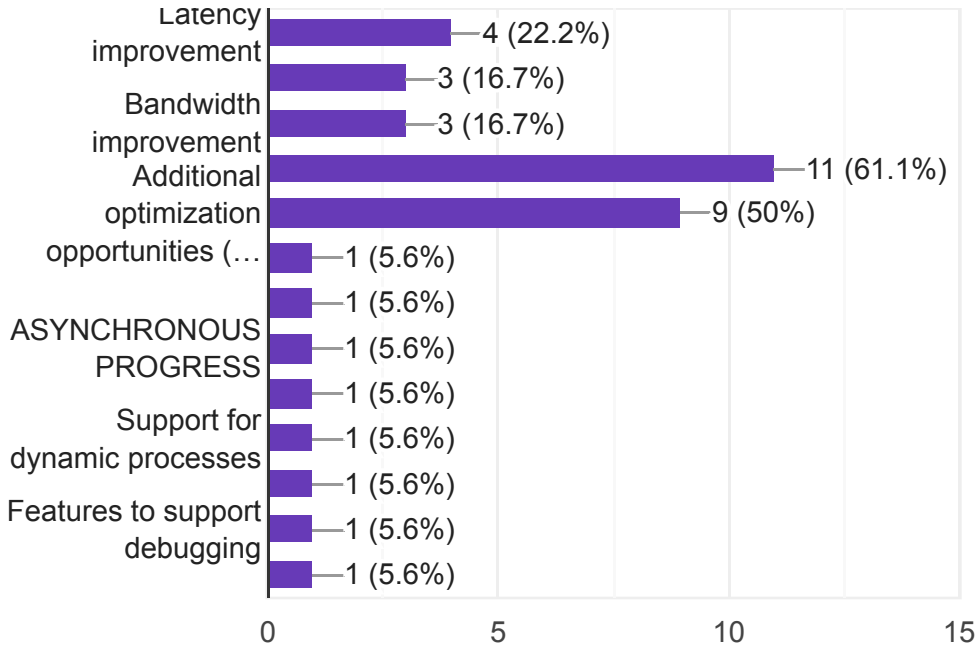
Do you have any plan (to investigate) to switch from using MPI to using any other parallel language/library?

18 responses



What feature(s) do you wish from MPI implementations?

18 responses

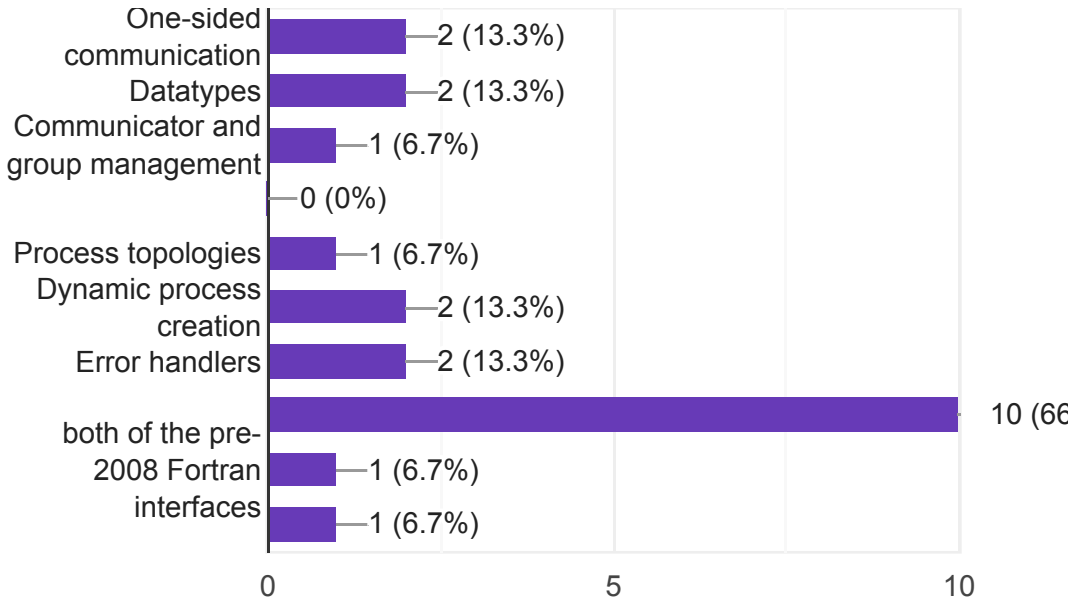


What feature(s) do you wish from the MPI standard?

18 responses

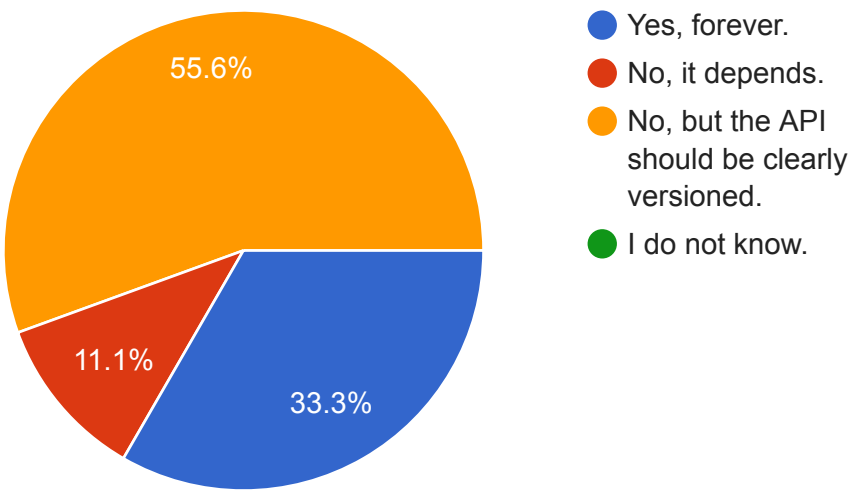
What MPI feature(s) are unnecessary?

15 responses



Do you think the MPI standard should maintain backward compatibility?

18 responses



Have you ever had any portability issue(s) with your MPI program(s)? If yes, can you explain?

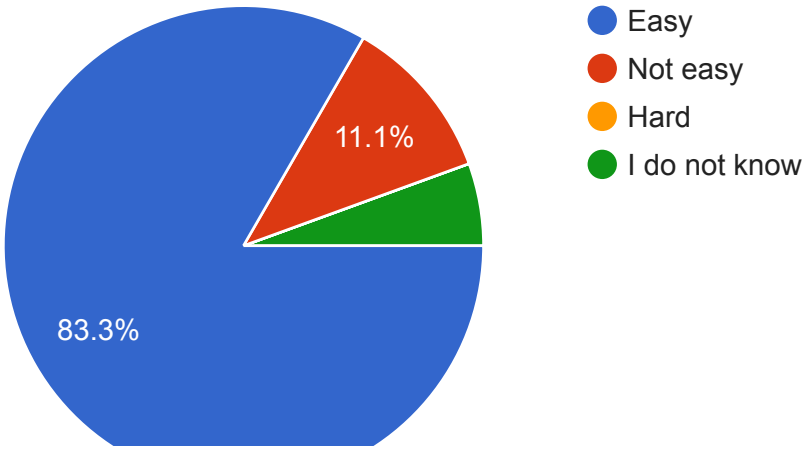
18 responses

No
Surely no implementations ever had any bugs that others did not
none
performance portability is the most common issue
No. You made this question required.
Open-MPI used to be complete crap when it came to anything other than MPI-1 features. The refusal of those implementers to do MPI_THREAD_MULTIPLE and passive target RMA properly held back the MPI ecosystem for a decade.
No ABI.
no
Yes, performance of datatypes
mpi-multiple-thread rarely implemented efficiently
An erroneous program (e.g. possible deadlock) runs on an MPI implementation but doesn't run on another MPI implementaion.
Some really old system required lots of MPI_FILE_SYNC calls to avoid inconsistencies with shared-file-pointer operations (contrary to defined semantics). Newer systems don't need it (i.e. the bug was fixed).
No common ABI between multiple MPI implementation

Only for MPI Forum attendees

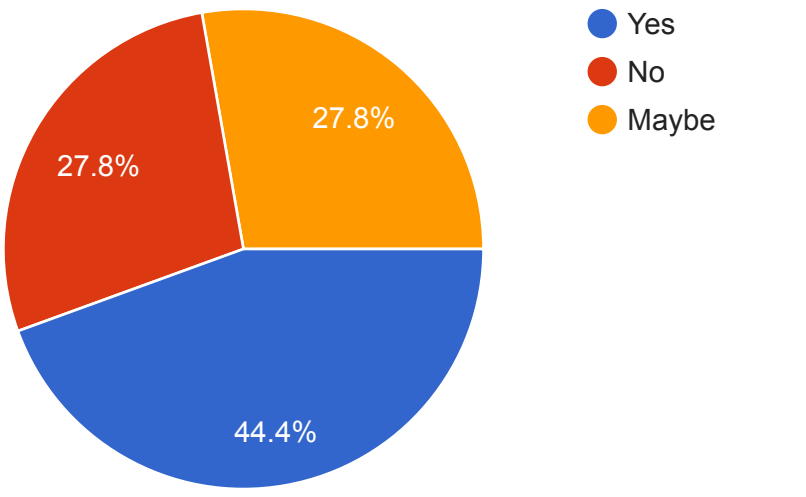
Is this questionnaire survey easy to answer?

18 responses



Could you help us to distribute this?

18 responses

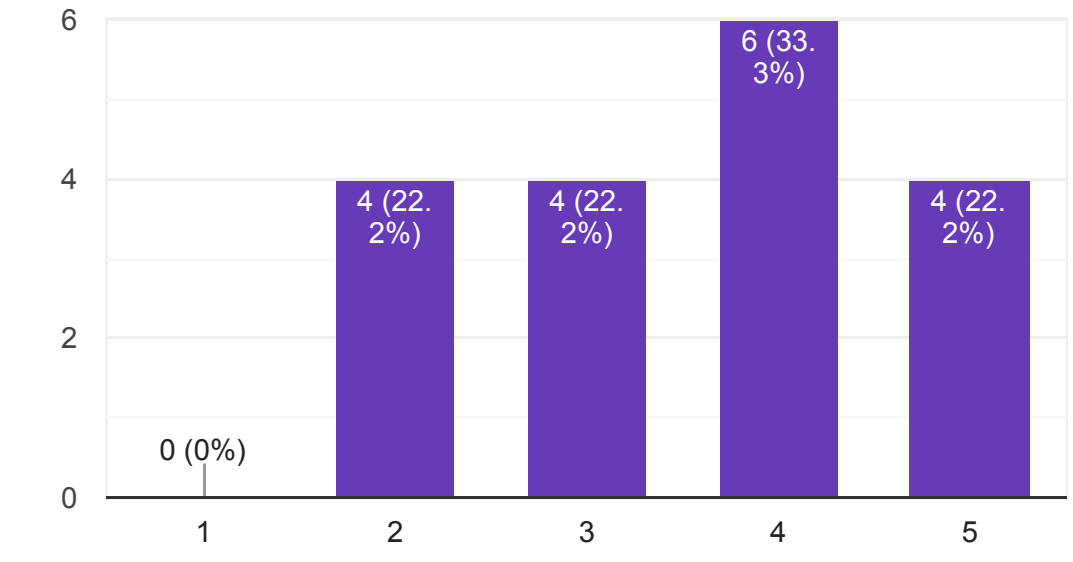


Which countries/regions can you reach?

18 responses

Is this survey good or bad?

18 responses



Any comments on this questionnaire?

18 responses

No
Some questions are numeric scale (the last one) and others are multiple choice like "Is this questionnaire easy to answer?" These could be made more uniform.
I am interested to see the output of this survey. could you please share your observations once it is collected?
All questions should not be required. For example, if I say no to help distributing, I should not have to answer the countries I can reach. There are other examples as well.
Several of the questions are too vague or the responses do not cover enough possibilities. Additionally, the "is this survey good or bad" has a scale of 1-5 (which is good -- a middle value is good), but the ranges asked earlier in this survey were 1-4 (which is bad). Some questions were required that probably shouldn't have been. You tried to list all implementations, but you missed some (and listed some defunct ones). HPE is a company; it's not an MPI implementation.
N/A

Thanks!

I would add the focus of the work (e.g., tool developers may answer this in a way that it could be missleading)

None

Some of the questions are leading (such as the one that Jeff Hammond mentioned on the mailing list). Some of the groupings are too broad (does Sessions belong with Endpoints?).

no

Fine, thanks

It may be difficult to collect many answers from non-English speakers. An option of questions translated to other languages is preferable. But I know it is difficult.

MPI and UPC shouldn’t be compared in the way that they are due to RMA feature. I support Jeff Hammond’s remarks I’m mailing list.

Having worked with MPI+X and the complexities of it, more ought to asked about the difficulties one faces when hybridizing MPI with X.

Survey reveals conceptual bias: "switch from MPI to PGAS" assumes they are mutually exclusive alternatives.
Grammar should be improved throughout.
No detail in questions: "which bits of MPI do you use?" is OK, but "why/when do you use each bit of MPI?" is better.
Hardest bit of writing MPI program question should give "parallel algorithm design/selection" as one of the multi-choice answers.
What do you want from MPI implementations question is basically meaningless: most suggested answers are standing-orders/design-goals for MPI. Do want your Formula 1 car to accelerate faster, brake better, turn quicker? Yes, to all - of course - high performance is the whole point.
What do you want from MPI Standard also needs to ask why those things are wanted. What new problems do those new features solve?

No.

End of MPI International Survey