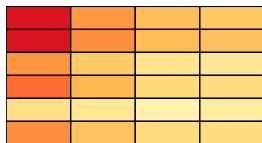
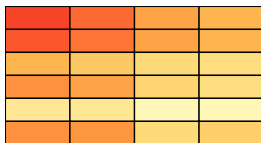


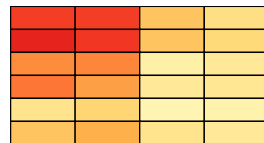
overall



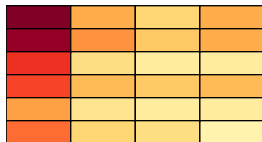
Europe:France



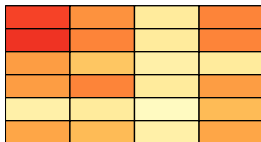
Europe:Germany



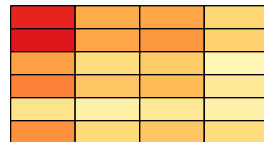
Europe:Italy



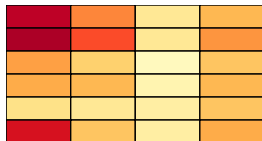
Europe:UK



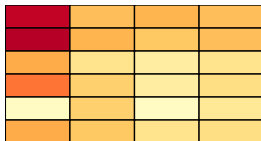
Europe:others



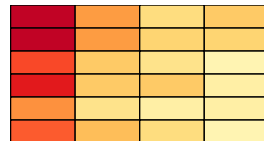
Japan



Russia



USA



Q17*:MPI Aspects

| | | | | |
|----------------|-----|------|------|-----|
| Point-to-point | 0 | 0.44 | 0.87 | 1.3 |
| Collectives | 1.7 | 2.2 | 2.6 | 3 |
| Communicator | 3.5 | 3.9 | 4.4 | 4.8 |
| Datatypes | 5.2 | 5.7 | 6.1 | 6.5 |
| One-sided | 7 | 7.4 | 7.8 | 8.3 |
| with OpenMP | 8.7 | 9.1 | 9.6 | 10 |

Very important

Versioned API

New API for performance

New API for easier-to-use

Q28:Backward Compatibility