

A Tutorial on Parallel Systems Development

time the developers themselves can determine the time that is needed to make the necessary changes. The problem when using simple parallel development may arise, for example, when two programmers have been independently enhancing a single report generation program. Potential conflicts and ov Parallel Search Parallel Simulation Developer Tools Compilation Debugging Performance Tuning Thread Analysis Summary References Acknowledgments. 23 23 23 24 24 24 25 25 25 26 26 27 27 29. Developing parallel programs - a discussion of popular models. Introduction. OpenMP offers a common specification that lets software programmers easily design new parallel applications or parallelize existing sequential applications to take advantage of multicore systems configured with shared memory. For more detailed information, see the OpenMP Web site [4]. Portability is an important characteristic of OpenMP.