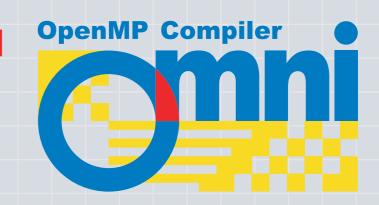


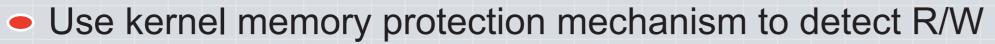
Omni OpenMP Compiler cluster-enabled OpenMP

Features

- A free open-source OpenMP compiler project supported by PC cluster consortium, Japan.
- Portable and multi-target
- Cluster-enabled OpenMP, Omni/SCASH : OpenMP implementation for SCASH Software distributed shared memory system of SCore cluster software.
 - OpenMP compiler for "shmem" memory model
 - OpenMP extensions for page home node allocation
 - Array data mapping directives and affinity loop scheduling
 - First-touch allocation facility
 - SCASH : a page-based software distributed shared memory system on SCore cluster software

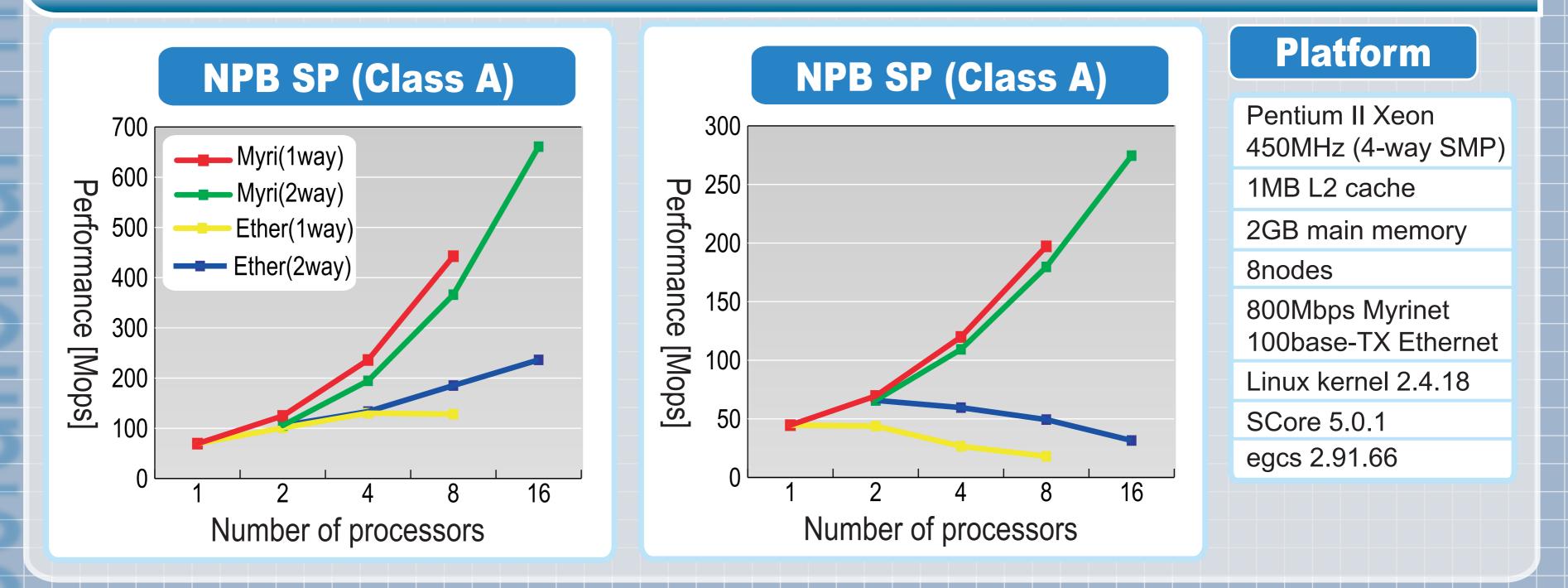






- SCore PM communication layer for Myrinet
- Release Consistency memory model with multiple writer protocol
- Web : http://www.hpcc.jp/Omni/

Performance of Omni/SCASH on PC-cluster



Omni 2.0 Plan

