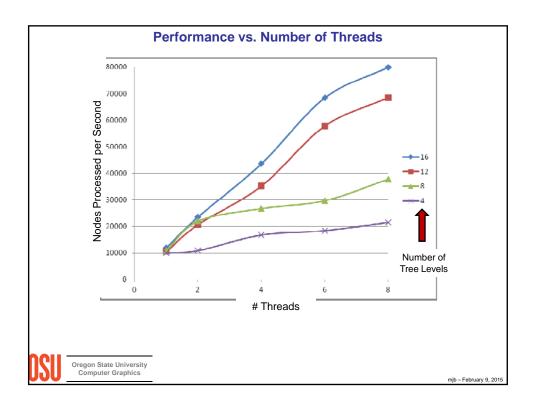
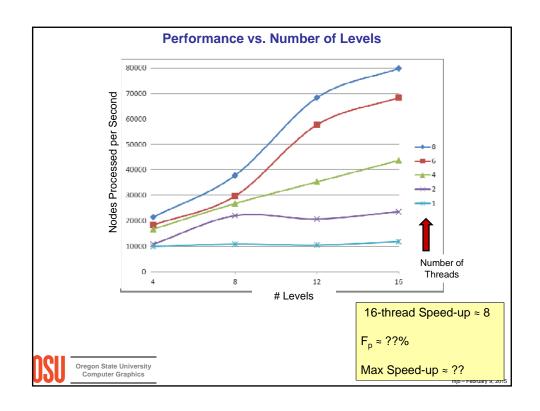


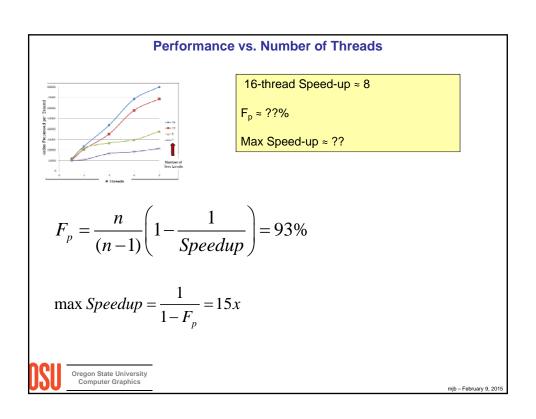
Benchmarking a Binary Task-driven Tree Traversal



mjb – February 9, 2015







Parallelizing a Tree Traversal with Tasks

- Tasks get spread among the current "thread team"
- Tasks can execute immediately or can be deferred. They are executed at "some time".
- Tasks can be moved between threads, that is, if one thread has a backlog of tasks to do, an idle thread can come steal some workload.
- Tasks are more dynamic than sections. The task paradigm would still work if there was a variable number of children at each node.



njb – February 9, 2015

Parallelizing an N-Tree Traversal with Tasks

Oregon State University Computer Graphics

njb – February 9, 2015