

New Parallel Algorithms

Contd Exercises

std::transform()

- Briefly describe the std::transform() function
- Write a program to demonstrate its use

Binary overload of `std::transform()`

- Briefly describe the binary overload of `std::transform()`
- Write a program to demonstrate its use

Transform and Reduce Pattern

- Briefly describe the "transform and reduce" pattern

std::inner_product

- Briefly describe the std::inner_product() function
- Write a program to demonstrate its use

`std::transform_reduce()`

- Briefly describe the `std::transform_reduce` function
- Write a program to demonstrate its use

std::transform_reduce

- Why is transform_reduce particularly useful in parallel programming?
- What are the advantages of combining std::transform() and std::reduce() into a single function?