
1 Overview

1.1 Location `$(AMDAPPSDKSAMPLESROOT)\samples\C++Amp\samples\ParReduction\`

- 1.2 How to Run**
1. Before running this sample, install Microsoft® Visual Studio® 2012 or higher, as well as the latest AMD APP SDK.
 2. Compile the sample. Use the command line to change to the directory where the executable is located.

2 Introduction

This C++ AMP sample executes a parallel reduction algorithm and introduces the concepts `tiled_extend`, `tiled_index`, `tile_barrier`, and `tile_static` storage.

3 Implementation Details

The input array is divided into multiple groups of 64 elements. Each group produces a partial sum result, which is computed by a tile of 64 threads in parallel. Then, the partial sums are added on the CPU

4 Reference

<http://msdn.microsoft.com/en-us/library/hh873135>

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