Document Number: N4311
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Revises:

Project: Programming Language C++

Project Number: TS 19570

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Parallelism TS Editor's Report, post-Urbana

N4104 is the latest Parallelism TS Working Draft. It contains changes to the Parallelism TS as directed by the committee at the Urbana meeting.

N4310 updates the previous draft, N4104, published in the post-Rapperswil mailing.

N4312 is document N4310 reformatted as a DTS ballot document.

Technical Changes

- N4275: Parallelism PDTS Comment Reponses
- CH1: Resurrect explicit permission for implementation-defined execution policies

Resolution: implemented as a non-normative note in S 2.3 p2.

• DE1 & US4: Consider N4167 (transform_reduce)

Resolution: N4311 adds the algorithms transform_reduce, transform_exclusive_scan, and transform_inclusive_scan.

• US1: Execution policy definition

Resolution: S 2.1 p1 refines the definition of "execution policy".

• US3: Elemental access functions can interrupt user code:

Resolution: S 4.1.2 p3 refines the specification of which threads a parallel algorithm invocation may use.

Editorial Changes

Various typographical errors eliminated.

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