

P1709R3: Graph Library

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Project: ISO JTC1/SC22/WG21: Programming Language C++

Audience: SG19, WG21

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Revision History

Revision	Description
P1709R3	Communicate that the document is under major revision and a new published revision is expected by the end of 2022.
P1709R2	<ol style="list-style-type: none">1. Define the uniform API for undirected & directed algorithms (an extended API also exists for directed graphs).2. Added concepts for undirected, directed & bidirected graphs.3. Refined DFS & BFS range definitions from prototype experience.4. Refined Shortest Paths & Transitive Closure algorithms from input & prototype experience.
P1709R1	Rewrite with a focus on a pure functional design , emphasizing the algorithms and graph API. Also added concepts and ranges into the design. Addressed concerns from Cologne review to change to functional design.
P1709R0	Focus on object-oriented API for data structures and example code for a few algorithms.

Status

P1709 is going through a major revision. We are targeting P1709r4 to be available for the December 2022 mailing.

Note previous revisions are significantly different.