At the Edge of Design by Contract

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Combining the Hoare-Dijkstra concepts of assertions and systematic software construction with principles of object technology and data abstraction, Design by Contract provides a solid basis for building, testing, documenting and maintaining quality OO software. This presentation will examine issues at the forefront of Design by Contract, including a number of problems to which no answer is known at the moment, covering in particular the areas of program correctness, component validation, and concurrency.

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