

Abstract

Layer Refinement in L

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Context-oriented programming (COP) languages provide layers as an abstraction mechanism for modularizing context-dependent behavioral variations. While existing COP languages offer layers in addition to other constructs like classes asymmetrically, we propose an experimental language called L that removes such asymmetry. The design of L started from ContextFJ, our minimalistic COP language, with extensions for state and refinement. This proposal presents one such refinement mechanism as a first step towards a small yet practical COP kernel.

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