

Propositions accompanying the dissertation

Declarative Name Binding for Type System Specifications

by

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1. High-level specification of the complete surface syntax of programming languages is feasible. (*This dissertation*)
2. Language-parametric formalisms are the most effective way to scale language engineering. (*This dissertation*)
3. The presence of linters for even the most dynamic languages suggests that language design should anticipate static analysis from the start.
4. To address the challenges of software security and maintenance, programming language techniques should be applied to more aspects of the software development toolchain.
5. A theory should be successfully applied to at least three different cases before it can be called “general”.
6. The cooperative nature of science is enough justification to use the pronoun “we”, even when writing monographs.
7. Teaching students when results are sufficient is necessary to make them effective researchers.
8. Universities should encourage parttime research positions to stimulate collaboration between academia and industry.
9. It is incorrect to assume that because large language models are impressive general-purpose tools, they can easily be turned into great specialized tools.
10. Emancipation of women has not been successful as long as sought-after positions are more accessible for incompetent men than for incompetent women.
11. Method is to research as chess is to life.

These propositions are regarded as opposable and defensible, and have been approved as such by the promotors prof. dr. A. van Deursen and dr. J.G.H. Cockx.

