

Hazel Assistant Calculus WIP

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Abstract

The hazelnut assistant calculus provides an extensible framework for type- and value-directed completion and refactoring support in a structured editing context.

CCS Concepts: • Software and its engineering → General programming languages.

Keywords: live programming, code completion, refactoring, GUIs

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wazzzzzaaaaaaaaaaaaaaaaaaaaaaap

1 Assistant Calculus

blah blah blah types

TODOs:

- get cursor icons from hazelnut paper
- get right arrow for bidi

References

Suggest Hole Synthetic

$$\frac{\text{Intros}(\tau) \leadsto A_{\text{intros}} \quad \text{Elims}(\tau) \leadsto A_{\text{elims}}}{\Gamma \vdash \text{Suggest}(\tau) \Rightarrow \tau \leadsto A_{\text{intros}} \cup A_{\text{elims}}}$$

Figure 1. Base suggestion judgments

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