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How Novices Perceive Interactive Theorem Provers

perceived irrelevance

"[Agda] might be a bit too theoretical."

35 bachelor students

inadequate ecosystem

"The Agda docs have a lot of material on super crazy stuff, but very little on the detailed semantics of the basic language."

"It's hard to imagine writing software with Agda."

told us which obstacles they encountered when learning to use Agda

"The installation of Agda is a horrible experience."

"[The idea that] the magic happens during type checking to wrap [my] head around."



"Agda-mode plugin is very buggy, I had to restart it very often."

Many obstacles are a result of the high coupling between Agda's underlying theory and its design.

Agda's ecosystem

Agda's design choices make it dependent on a custom development environment.

has very little supporting infrastructure for novices.





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