

Make Isabelle Accessible!

Klaus Miesenberger, Walther Neuper, and Bernhard Stöger

Johannes Kepler University Linz, Austria
.@jku.at

Abstract

Proof assistants are still tools for experts and characterised by a steep learning curve. However, ThEdu claimed that “respective technology is becoming a technological base for a new generation of educational software”, which is appropriate for learning mathematics from high-school to university.

The *ISAC* project pursues this claim for more than a decade and now aims at including visually impaired humans into this claim by “making the proof assistant Isabelle accessible”.

ISAC cooperates with a blind mathematician, who was frustrated by Isabelle/jEdit, because the mathematical content was not accessible by screen readers, he could not switch between menu items, etc. But with the new Isabelle/VSCode all were surprised: it is accessible out of the box.

The paper describes the challenges raised by the plan to adapt the *ISAC* prototype to Isabelle/VSCode such that accessibility comes for free eventually.