Do users resolve type errors faster with ChameleonIDE than with GHC?

Users overall performed better with ChameleonIDE.

Can interactive features in ChameleonIDE improve performance in debugging type errors?

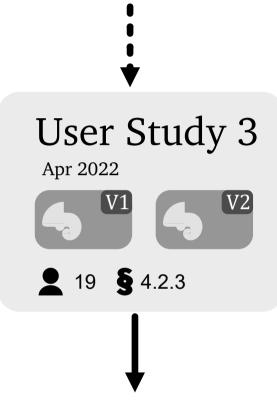
High interaction users performed better overall.



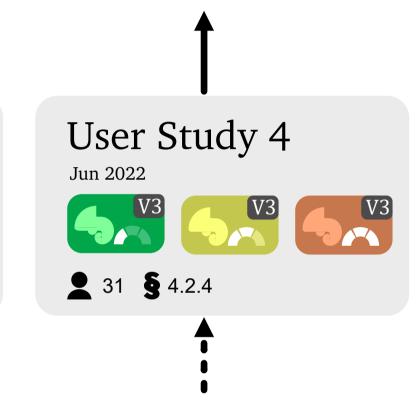
It is not conclusive how effective ChameleonIDE is compared to GHC. — However, a difference can be seen with harder tasks.



Is ChameleonIDE more effective in debugging type errors than GHC with harder tasks?



Users found the interactive features confusing and overwhelming.



How do users use the different modes of ChameleonIDE to fix type errors?



ChameleonIDE Version 1



ChameleonIDE Version 2



ChameleonIDE Version 3
Basic Mode



ChameleonIDE Version 3 Balanced Mode



ChameleonIDE Version 3 Advanced Mode



Research Question



Research Findings



Design and Prototyping