ACTIVATING REFACCTORINGS FASTER

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INTRODUCTION AND PROBLEMS

Introduction
what is refactoring?
why is refactoring important?
why refactoring tools?

Problems
problem: people underuse refactoring tools
problem: tools are slow

Code Selection
hard to select
forced repetition

Linear Menus
slew to navigate
unmemorable
ever used

Refactoring Wizards
compelled config
work disruption

Hotkeys

Refactoring Marking Menus
fast initiation
memorable
design rationale of placement
(1) directionality
(2) inverses
(3) similarity

Refactoring Cues
palette
selection
error-resistant selection
optional configuration
non-modal configuration

Pie Menu Experiment
subjects
tool
methodology

Refactoring Cue Evaluation
evaluation method
standard tools
refactoring cues

EVALUATION AND CONCLUSION

Subjective Evaluation
subjects
tool
methodology

Conclusion
eliminate errors
explicit regions
no distraction
utilize spatially
stay in editor
no configuration
future work

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