

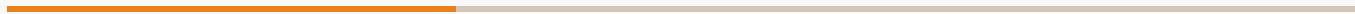
Slides - 7/12

Justin Restivo

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Pitch



Abbreviated Pitch

- Compile C to Rust
- Improve on C2Rust flaws
- Guarantee that Rust code matches or improves on behavior of C code
- Provide formalization of lifting literature

Plan

- This week: switch statement works
- Next week:
 - technical:
 - nested switch (minor tweak)
 - fix formatter
 - gotos
 - testing
 - code cleanup

Plan

- Proposition for memory model
- Two weeks:
 - RustLight design

Switch statement details

- c2rust: many match statements
- improvement (in theory):
 - s/repeats/loop
- problem: temporary variables (assumed not canonical)
- solution: nominal compcert?

Precise Problem Statement: The 20%

In the case we can't

Implementation

Comparison to Rust IRs
