Feedback from Breakout

GI with inadequate tests
Functional vs Non-functional GI

Lack of tests is not a big problem for non-functional GI
  Original system as oracle
  Test data generation

Focus on automated repair
We still need good tests

Test suite creation and/or augmentation
   Exceptions as test cases (for the complete lack of testing)
   Mutation testing

Extra value of existing tests
   Test hijacking
   Use tests from other bugs
Naturalness of program execution

Statistical models of “correct” and “natural” behaviour

Feedback from model to enhance existing tests

Possibly a smoother gradient
Anything other than tests?

Patterns of human-written patches
  Fixes templates