



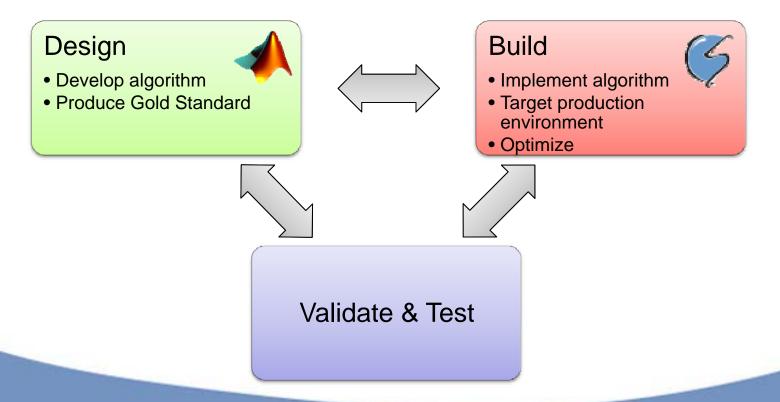
Why scripting?

- Sourcery VSIPL++ is designed with productivity in mind:
 - Compact and intuitive syntax
- Yet:
 - Algorithms developed in a High Productivity
 Environment (Matlab, Python)
 - Rewritten in C++
- How can this workflow be improved?



Development Workflow

Algorithms are written (and tested!) twice, using different languages, different tools, in differing environments.





Integrated Workflow

Scripting (Matlab, Python, etc.)

Hybrid programming

C++

- Seamless integration of prototyping and optimization
 - Code generation
 - Profiling
 - Validation
- Support data-flow in both directions
- Simpler workflow -> Higher Productivity

We would like your feedback!