Multi-Type, Self-Adaptive Genetic Programming for Complex Applications

**New Ideas**
- Richly heterogeneous data can be flexibly integrated in programs produced by stack-based genetic programming.
- Explicit code manipulation allows for automatic emergence of modules and evolved program architecture.
- Self-adaptive construction of evolutionary mechanisms enhances fit to problem environments.

**Impact**
- Evolved agents for heterogeneous, dynamic environments.
- Broader range of applications for automatic programming technologies.
- Automatic programming with less configuration by users.

**Schedule**
- Port new GP systems to Beowulf cluster
  Integration with agent environments
  Alternative building-blocks
- Benchmarking
- Application/analysis
- Analysis of evolved agents

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