

GSOC and The Perl Foundation



What is Math::GSL?

- Perl interface to the GNU Scientific Library
- Object Oriented Scientific Computing
- Linear Algebra, Equation Solving
- Integration, Sorting, Curve Fitting
- Statistics, Eigenvalues, Permutations/Combinations
- Much more

How Did Math::GSL Become A Project?

- Math::* on ideas page
- Thierry did research and reviewed my CPAN work
- Thierry submits plan
- I helped revise plan
- Math::GSL gets accepted
- Plan Optimized mid-Summer

The Math::GSL Toolchain

- Module::Build - how to subclass
- Advanced Vim hacking
- Git and Github
- Test::Class
- SWIG - Simplified Wrapper Interface Generator

New Techniques

- Test Driven Development
- Test Suite Translation
- FFI (Foreign Function Interface)
- GCC Debugging

Tips for 2009

- Learn your tool chain
- Ask Questions
- Read Directions
- Ambitious Goal, Realistic Plan.
- Get involved in community (lists,irc,twitter)
- #soc-help @ irc.perl.org

Thanks and Good Luck!

- Contact jaleto@gmail.com for more questions
- <http://perlfoundation.org/perl5/index.cgi?gsoc>