Documentation Howto

The folders "sphinx_beginner" and "sphinx_intermediate" are Re-Writes of the documentation which was originally done in Word, converted to ReStructuredText.

Here, we're using ReStructuredText for writing, and Sphinx to convert the Markup into HTML and PDF ("Sphinx is a tool that makes it easy to create intelligent and beautiful documentation")

Sphinx uses `conf.py` for configuration and provides a convenient Makefile for conversion. Just call `make html` (`make singlehtml` creates one single HTML file), or `make latexpdf` to run it. The resulting documents will be in `_build/html/` or `_build/latex/`, respectively.

Currently, we do not include the HTML output into git, just the PDF and maybe the singlehtml page.

Requirements:

- ReStructuredText https://en.wikipedia.org/wiki/ReStructuredText
- Sphinx >1.1 http://sphinx-doc.org/
- Pygments >1.5 http://pygments.org/
- TexLive >2011 http://www.tug.org/texlive/

Links:

- ReST Cheat Sheet
- ReST and Sphinx Primer
- Writing Technical Documentation with Sphinx, Paver, and Cog

PS: I've manually updated the Makefiles to do some minor `sed` replacement to use the LaTeX package fancyvrb for styling the verbatim boxes; this package should be included in the TeXLive distribution.

ToDos:

- get rid of `xcolor` error message in latexpdf
- change Fonts
- Better control of verbatim code-blocks:
    - distinguish user input from output (boldface?)
    - syntax highlight