penlight
Lua libraries for use in LuaLaTeX

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2021–11–07

The official documentation for the Lua library can be found here:
https://stevedonovan.github.io/Penlight/api/manual/01-introduction.md.html#

Required Package Option

The first option sent to this package MUST be one of:
[penlight] or [pl].
All Penlight sub-modules are then available under this global variable by either
penlight.XYZ or pl.XYZ
**Additional Package Options**

**stringx** will import additional string functions into the string meta table. this will be ran in pre-amble: `require('pl.stringx').import()`

https://stevedonovan.github.io/Penlight/api/libraries/pl.stringx.html

**format** allows `%` operator for Python-style string formatting
this will be ran in pre-amble: `require('pl.text').format_operator()`

https://stevedonovan.github.io/Penlight/api/libraries/pl.text.html

**func** allows placeholder expressions eg. `_1+1` to be used
this will be ran in pre-amble: `penlight.utils.import('pl.func')`

https://stevedonovan.github.io/Penlight/api/libraries/pl.func.html

**extras** adds some additional functions. Adds functions to some Penlight sub-modules. The following Lua globals will be defined:
- `close_bkt_cnt`, `add_bkt_cnt`, `reset_bkt_cnt`, `_NumBkts`,
- `_xTrue`, `_xFalse`, `_xNoValue`, `__SKIP_TEX__`, `hasval`, `mod`, `mod2`,

If you want to use Penlight (and extras) with the `texlua` interpreter (no document made, only for Lua files, useful for testing), you can access it by the following:

```lua
package.path = package.path .. ';';'..'path/to/texmf/tex/latex/penlight/?.lua'
penlight = require('penlight')
__SKIP_TEX__ = true  -- only required if you want to use
                  -- penlight extras without a LaTeX run
require('penlightextras')
```

Disclaimer: I am not the author of the Lua Penlight library. Penlight is Copyright ©2009-2016 Steve Donovan, David Manura. The distribution of Penlight used for this library is: https://github.com/lunarmodules/penlight
The author of this library has merged all Lua sub-modules into one file for this package.