penlight

Lua libraries for use in LuaLaTeX

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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 formating
           this will be ran in pre-amble: `require('pl.text').format_operator()`
    https://stevedonovan.github.io/Penlight/api/libraries/pl.text.
           html

func   allows placehold 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 Pen-
           light 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` intrepreter (no document made, only for Lua files, useful for testing), you can access it by the following:

```
package.path = package.path .. ';'..'path/to/texmf/tex/latex/penlight/?.lua'
penlight = require('penlight')
__SKIP_TEX__ = true  --only required if you want to use
                     --penlightextras 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.