Writing a TeX length in ISO style[*]

v. 0.01

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October 9, 2017

1 How it works

By default TeX writes an internal length in the following way:

`\the\baselineskip`→12.0pt

There is no space between value and unit. Package `isopt` provides the macro `\ISO` which needs a TeX length as argument and prints it with the default `\thinspace`

`\ISO\the\baselineskip`→12 pt

```
\sbox0{Hello World}
The box is \ISO\wd0\ wide, \ISO\ht0\ high and has a depth  of \ISO\dp0.
```

The box is 55.41551 pt wide, 6.98982 pt high and has a depth of 0.13028 pt.

There is also a short form `\THE` which is defined as `\ISO\the`. It saves only some keystrokes:

`\THE\tabcolsep`→6 pt

If you prefer the tilde ~ as space between value and unit, then pass it as optional argument of the package:

```
\usepackage[space=~]{isopt}
```

The predefined space is `\usepackage[space=\thinspace]{isopt}`

2 Limitations

The current version does not support a rubber length like `\the\parskip`→0.0pt plus 1.0pt

References

[1] NIST: National Institut of Standards and Technology. *SI Unit rules and style conventions. Check List for Reviewing Manuscripts*. Sept. 2004. url: `https://physics.nist.gov/cuu/Units/checklist.html` (visited on 10/09/2017).

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[*]Thanks to Heiko Oberdiek