

sxml-transforms egg

The **SXML transformations** (to XML, SXML, and HTML) from the **SSAX project**
Extension for Chicken Scheme
Version 1.1

Oleg Kiselyov. Port by **Zbigniew**

Table of Contents

1	About this egg	1
1.1	Version history	1
2	Documentation	2
3	Examples.....	3
4	License.....	4
Index		5

1 About this egg

1.1 Version history

- 1.1 Improve inline element whitespace handling; add '&' rule.
- 1.0 Initial release

2 Documentation

This egg provides the SXML transforms available in the SSAX/SXML Sourceforge project. It incorporates one main extension, and an auxiliary one:

```
require-extension [extension]
  (require-extension sxml-transforms)
```

From SXML-tree-trans.scm:

```
SRV:send-reply pre-post-order post-order foldts replace-range
```

From SXML-to-HTML.scm:

```
SXML->HTML entag enattr string->goodHTML
```

From SXML-to-HTML-ext.scm:

```
universal-conversion-rules universal-protected-rules
alist-conv-rules
```

From util.scm:

```
make-char-quotator
```

Chicken-specific modifications:

```
entag-xhtml entag-html
```

entag-xhtml closes XHTML tags properly in an HTML compatible way. entag is now an alias for entag-xhtml, so this behaviour is the default. entag-html is an alias for the original entag.

Newlines before open tags in the rendered HTML output are omitted for inline elements, such as `tt` and `strong`. This prevents the introduction of extraneous whitespace.

Also, the universal conversion rules have been augmented a bit:

```
& [rule]
  (& ENTITY-NAME ...)
```

Quotes character references given by strings ENTITY-NAME

Example: (& "ndash" "quot") => "–"";

```
require-extension [extension]
  (require-extension sxml-to-sxml)
```

Provides `pre-post-order-composable`, a variant of `pre-post-order` which always outputs strictly-conformant SXML. This comes from `sxml-to-sxml.scm`.

3 Examples

[Oleg's site](#) is the main resource. Be sure to read his examples and the ones in the SSAX repository (also included in the egg). The following papers were of great help:

- <http://okmij.org/ftp/papers/SXs-talk.pdf>
- <http://okmij.org/ftp/papers/SXs.pdf>
- <http://okmij.org/ftp/papers/SXSLT-talk.pdf>

Also, the eggdoc extension makes heavy use of `sxml-transforms`.

4 License

The `sxml-transforms` code is in the public domain.

Index

&

&..... 2

R

require-extension..... 2