

synch egg

Synchronization macros.
Extension for Chicken Scheme
Version 0.2

Kon Lovett

Table of Contents

1	About this egg	1
1.1	Version history	1
1.2	Usage	1
2	Documentation	2
2.1	Synchronized Invocation	2
3	Contributions	3
4	License	4
	Index	5

1 About this egg

1.1 Version history

0.2 Added apply-with/synch

0.1 Initial release

1.2 Usage

Load this egg like so:

```
(require-extension synch)
```

2 Documentation

Simple critical region helpers.

2.1 Synchronized Invocation

`call/synch` [macro]

(`call/synch` MUTEX PROCEDURE)

Invoke PROCEDURE on the (`mutex-specific` MUTEX) while MUTEX locked.

This is poorly named. Use 'apply/synch' to get the effect of the naive meaning of this operation.

`apply/synch` [macro]

(`apply/synch` MUTEX PROCEDURE [ARGUMENT ...])

Invoke PROCEDURE on the argument list ARGUMENT ... while MUTEX locked.

This is poorly named. Use 'apply-with/synch' to get the effect of the naive meaning of this operation.

`apply-with/synch` [macro]

(`apply-with/synch` MUTEX PROCEDURE [ARGUMENT ...])

Apply PROCEDURE to the argument list ARGUMENT ... while MUTEX locked.

`synch` [macro]

(`synch` MUTEX [EXPRESSION ...])

Execute EXPRESSION ... while MUTEX locked.

3 Contributions

Inspired by Thomas Chust.

4 License

Copyright (c) 2006, Kon Lovett. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the Software), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED ASIS, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Index

A

apply-with/synch 2
apply/synch 2

C

call/synch 2

S

synch 2