

nbstd in egg

Non-blocking Standard Input
Extension for Chicken Scheme
Version 0.9

Daishi Kato

Table of Contents

1	About this egg	1
1.1	Version history	1
1.2	Usage	1
2	Documentation	2
2.1	Limitations	2
3	Examples	3
4	License	4
	Index	5

1 About this egg

1.1 Version history

- 0.9 Win32: a support for piping
- 0.8 Win32: a fix not to call `##sys#thread-block-for-i/o`
- 0.7 Win32: added sleep to avoid 100% CPU usage
- 0.6 Limited Win32 support
- 0.5 Beta release

1.2 Usage

Load this egg like so:

```
(require-extension nbstdin)
```

2 Documentation

An extension that makes STDIN non-blocking.

`nonblocking-input-port` [procedure]
`(nonblocking-input-port FD)`

Takes the file-descriptor `FD` and returns a nonblocking input port for it.

2.1 Limitations

- Partial Win32 support; it just checks keyboard events. it will block until you press enter key.

3 Examples

```
(require-extension nbstdin)
```

```
(read)
```

4 License

Copyright (c) 2005, Daishi Kato
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted under the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Index

nonblocking-input-port 2