

sha2 egg

Computes SHA2 checksums
Extension for Chicken Scheme
Version 1.4

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1 About this egg

1.1 Version history

- 1.4 Made C procedures static
- 1.3 Win32 support (hack)
- 1.2 Added dependency on message-digest egg
- 1.1 Removed dependency on format egg
- 1.0 Initial release

1.2 Usage

Load this egg like so:

```
(require-extension sha2)
```

2 Documentation

2.1 Digest Procedures

The acceptable input objects for the digest procedures are strings, input-ports, byte-vectors, or anything that can be converted to a byte-vector. See [message-digest](#) for more information.

`sha256:digest` [procedure]
(`sha256:digest` OBJECT)

Returns the 256-bit checksum of OBJECT as a hex string.

`sha256:binary-digest` [procedure]
(`sha256:binary-digest` OBJECT)

Returns the 256-bit checksum of OBJECT as a string.

`sha384:digest` [procedure]
(`sha384:digest` OBJECT)

Returns the 384-bit checksum of OBJECT as a hex string.

`sha384:binary-digest` [procedure]
(`sha384:binary-digest` OBJECT)

Returns the 512-bit checksum of OBJECT as a string.

`sha512:digest` [procedure]
(`sha512:digest` OBJECT)

Returns the 256-bit checksum of OBJECT as a hex string.

`sha512:binary-digest` [procedure]
(`sha512:binary-digest` OBJECT)

Returns the 512-bit checksum of OBJECT as a string.

`sha256:primitive` [procedure]
(`sha256:primitive`)

Returns the 256-bit checksum primitive object.

`sha384:primitive` [procedure]
(`sha384:primitive`)

Returns the 384-bit checksum primitive object.

`sha512:primitive` [procedure]
(`sha512:primitive`)

Returns the 512-bit checksum primitive object.

3 License

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