ecx

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NAME

ecx - library for electrochemistry

SYNOPSIS

use *ecx*

DESCRIPTION

ecx a Fortran library for providing a collection of routines for electrochemistry. A C API allows usage from C, or can be used as a basis for other wrappers. A Python wrapper allows easy usage from Python.

EXAMPLE

Minimal example in Fortran:

```
use ecx
```

Minimal example in C:

```
include "ecx.h"
```

Minimal example in Python:

```
import pyecx
```

SEE ALSO

complex(7), **gsl**(3), **catanh**(3), **gnuplot**(1)

NAME
ecxcli(1) - Command line for ecx

SYNOPSIS
ecxcli *SUBCOMMAND* [*OPTIONS ...*] *ARGS ...*

DESCRIPTION
ecxcli is command line interface for computing electro- chemical properties:

 o EIS Electrochemical Impedance $\mathbf{Z=f}(w)$

 o Kinetics
  $\mathbf{j=f}(U)$

 o PEC $\mathbf{Iph=f}(hv, U)$

It can also provide the molar masses, isotope compositions and nuclide compositions.

SUBCOMMANDS
 o all Get the whole periodic table.

 o saw Get the standard atomic weight.

Enter **ecxcli** *SUBCOMMAND* **--help** for detailed descriptions.

OPTIONS
 o --abridged, -a
  Use the abridged value.

 o --uncertainty, -u
  Use the uncertainty.

 o --pprint
  Nice formatting.

 o --mass, -z
  Get the mass number.

VALID FOR ALL SUBCOMMANDS
 o --help
  Show help text and exit

 o --verbose
  Display additional information when available.

 o --version
  Show version information and exit.