Package ‘caracas’

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Version 0.0.1
Title Computer Algebra
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Encoding UTF-8
Description Computer algebra via the 'SymPy' library (<https://www.sympy.org/>).
     This makes it possible to solve equations symbolically,
     find symbolic integrals, symbolic sums and other important quantities.
Depends R (>= 3.0)
Imports reticulate (>= 1.14)
Suggests testthat (>= 2.1.0), knitr, rmarkdown
License GPL
SystemRequirements Python (>= 3.6.0)
URL https://github.com/r-cas/caracas
BugReports https://github.com/r-cas/caracas/issues
RoxygenNote 7.0.2
VignetteBuilder knitr
NeedsCompilation no
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get_sympy  

Access 'SymPy' directly

**Description**

Get the 'SymPy' object. Note that it gives you extra responsibilities when you choose to access the 'SymPy' object directly.

**Usage**

get_sympy()

**Value**

The 'SymPy' object with direct access to the library.

**Examples**

```r
if (have_sympy()) {
  sympy <- get_sympy()
  sympy$solve("x**2-1", "x")
}
```

have_sympy  

Check if 'SymPy' is available

**Description**

Check if 'SymPy' is available

**Usage**

have_sympy()

**Value**

TRUE if 'SymPy' is available, else FALSE

**Examples**

```r
have_sympy()
```
Install 'SymPy'

Description
Install the 'SymPy' Python package into a virtual environment or Conda environment.

Usage
install_sympy(method = "auto", conda = "auto")

Arguments
- method: Installation method. By default, "auto" automatically finds a method that will work in the local environment. Change the default to force a specific installation method. Note that the "virtualenv" method is not available on Windows.
- conda: Path to conda executable (or "auto" to find conda using the PATH and other conventional install locations).

Value
None

Get 'SymPy' version

Description
Get 'SymPy' version

Usage
sympy_version()

Value
The version of the 'SymPy' available

Examples
if (have_sympy()) {
    sympy_version()
}
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