Package: ITKR (via r-universe)

October 29, 2026

Type Package

Title ITK in R

Version 0.6.2

Description Make the state of the art image processing library, ITK, available within R. Provide developer access to the ITK framework from within R and, ultimately, support reproducible statistical analyses of medical images via interfacing with other packages.

License Apache License (>= 2.0)

LazyLoad yes

StagedInstall no

Imports Rcpp

LinkingTo Rcpp

NeedsCompilation yes

SystemRequirements cmake, git, clang, GNU make

URL http://github.com/stnava/ITKR/

BugReports http://github.com/stnava/ITKR/issues

RoxygenNote 6.1.1

Encoding UTF-8

Config/pak/sysreqs cmake git make

Repository https://antsx.r-universe.dev

Date/Publication 2026-10-29 20:10:23 UTC

RemoteUrl https://github.com/ANTsX/ITKR

RemoteRef HEAD

RemoteSha 3e3a717adc253e197b58086d38791ffb75018afc

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`itkCompileFlags` *return ITK compile flags*

Description

call this to get the compilation flags used for ITK and dependent software

Usage

```
itkCompileFlags()
```

Author(s)

Avants BB

Examples

```
itkCompileFlags()
```

`itkDir` *return ITK directory information*

Description

call this to get the include path for ITK configuration. this is what needs to be passed to dependent programs.

Usage

```
itkDir()
```

Author(s)

Avants BB

Examples

```
itkDir()
```

---

itkIncludes *return ITK installation information*

Description

call this to get the include path for ITK headers and libraries

Usage

```
itkIncludes()
```

Author(s)

Avants BB

Examples

```
itkIncludes()
```

---

itkLibs *return ITK library location*

Description

call this to get the path to ITK static libaries to which you will link

Usage

```
itkLibs()
```

Author(s)

Avants BB

Examples

```
itkLibs()
```

itkTag *Return ITK build tag*

Description

Return ITK build tag

Usage

```
itkTag()
```

Examples

```
itkTag()
```

itkVersion *return ITK version information*

Description

call this to get the installed ITK version

Usage

```
itkVersion()
```

Author(s)

Avants BB

Examples

```
itkVersion()
```

`software versions` *softwareVersions*

Description

A data frame defining the git tag for the current ITKR version of ITK.

Usage

```
data(softwareVersions)
```

Format

A data frame listing the following variables.

`Dependency` Name of software dependency.

`GitTag` The git tag. This can also be used to trace other dependencies, e.g. the ITK version used by the current ANTs version.

References

https://github.com/InsightSoftwareConsortium/ITKhttps://github.com/InsightSoftwareConsortium/ITK

Examples

```
data(softwareVersions)
```

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