Package 'tofsimsData'

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Type Package

Title Import, process and analysis of ToF-SIMS imaging data

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Depends R (>= 3.2.0)

Description This packages contains data to be used with the 'tofsims' package.

License GPL-3

Suggests knitr, rmarkdown, tools

VignetteBuilder knitr

biocViews ExperimentData, MassSpectrometry, ImagingMassSpectrometry, DataImport

NeedsCompilation no

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Contents

`tofsimsData-package` *tofsimsData*

Description

ToF-SIMS Toolbox

Details

Package:	tofsimsData
Type:	Package
Version:	0.99
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License:	GPL (>=2)
LazyLoad:	yes

Toolbox for Time-of-Flight Secondary Ion Mass-Spectrometry (ToF-SIMS) data processing and analysis. The package facilitates importing of raw data files, loading preprocessed data and a range of multivariate analysis methods that are most commonly applied in imaging (ToF-SIMS) mass spectrometry.

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`testImage` *Example ToF-SIMS data*

Description

A dataset containing a MassImage recorded on a Ulvac-Phi TRIFT-II ToF-SIMS. The .RAW data file was imported using `tofsimsImage<-MassImage('ulvacrawpeaks','filename', PeakList=tofsimsSpectra)`. The sample is a freeze-dried transversal poplar wood section of 100 micrometer thickness.

Usage

```
data(tofsimsData)
```

Format

A MassImage object

Value

MassImage object

`testSpectra` *Example ToF-SIMS data*

Description

A dataset containing a MassSpectra recorded on a Ulvac-Phi TRIFT-II ToF-SIMS. The .RAW data file was imported using `tofsimsSpectra<-MassSpectra('ulvacraw','filename')`. The sample is a freeze-dried transversal poplar wood section of 100 micrometer thickness.

Usage

```
data(tofsimsData)
```

Format

A MassSpectra object

Value

MassSpectra object

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