

Pimp my JavaDoc

Egon Willighagen 

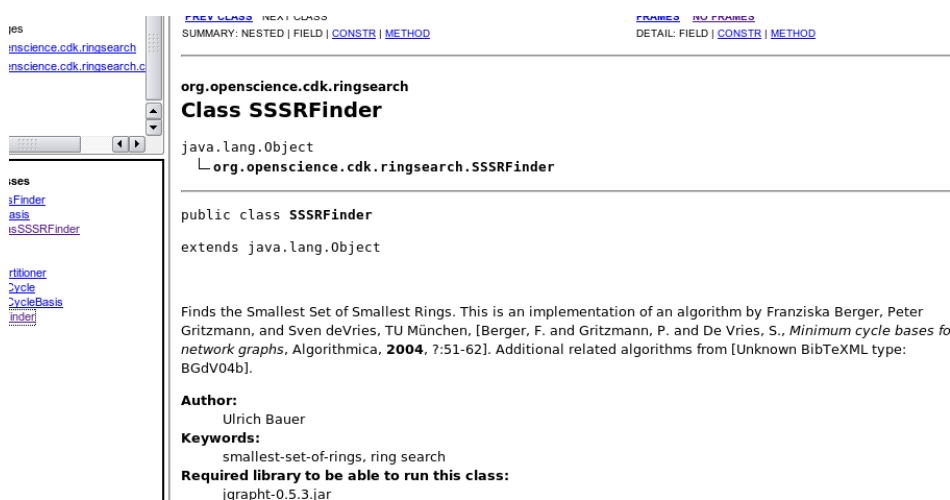
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Keywords

Cdk, Javadoc, Literature



The screenshot shows a JavaDoc page for the class `org.openscience.cdk.ringsearch.SSSRFinder`. The page is displayed in a browser window with a sidebar on the left containing a navigation tree. The main content area shows the class hierarchy, a code snippet for the class, and a detailed description of the class's purpose and author information.

Navigation links: [PREV CLASS](#) | [NEXT CLASS](#) | [SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) | [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

Package: `org.openscience.cdk.ringsearch`

Class SSSRFinder

java.lang.Object
└─ `org.openscience.cdk.ringsearch.SSSRFinder`

```
public class SSSRFinder
    extends java.lang.Object
```

Finds the Smallest Set of Smallest Rings. This is an implementation of an algorithm by Franziska Berger, Peter Gritzmann, and Sven deVries, TU München, [Berger, F. and Gritzmann, P. and De Vries, S., *Minimum cycle bases for network graphs*, *Algorithmica*, **2004**, 7:51-62]. Additional related algorithms from [Unknown BibTeXML type: BGdV04b].

Author:
Ulrich Bauer

Keywords:
smallest-set-of-rings, ring search

Required library to be able to run this class:
`igraph-0.5.3.jar`

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chem-bla-ics

Jörg's PhD book *Data Mining und Graph Mining auf molekularen Graphen - Chemoinformatik und molekulare Kodierungen für ADME/Tox-QSAR-Analysen* has a dump of the JavaDoc of the `GroupContributionPredictor` in `JOELib` (Figure 3.2, page 43). There are two nice things to the shown JavaDoc: 1. it has links to [Wikipedia](#); 2. it has a Further Reading section.

Now, the `CDK` already links to a bibliography for some time now. However, it would just give a BibTex key, and link to a webpage created from a `BibTeXML` file in which we store all references (`cdk/doc/refs/cheminf.bibx`). Putting the full citation inline makes the JavaDoc more informative, but I wanted to preserve the `@cdk.cite` mechanism we were using.

This weekend I hacked up a nice `CDKCiteDoclet` that would read the `BibTeXML` file with `XOM`, and convert items to HTML to put into the pimped JavaDoc: