YoYo-SLA : Segmentation Labeling Assistant

Generated by Doxygen 1.8.17

1 YoYo-SLA : Segmentation Labeling Assistant **1**

1.1 Features 1

1.2 Contributors 1

2 Namespace Index **3**

2.1 Namespace List 3

3 File Index **5**

3.1 File List 5

4 Namespace Documentation **7**

4.1 yoyo66 Namespace Reference 7

4.1.1 Detailed Description 7

4.1.2 YoYo-SLA is a python module providing required functionalities to view/edit/modify labeled data using photo editing softwares like GIMP. The library supports various file formats such as xcf (gimp) and ora (OpenRaster). 7

5 File Documentation **9**

5.1 yoyo66/datastruct.py File Reference 9

5.1.1 Detailed Description 9

Index **11**

Chapter 1

YoYo-SLA : Segmentation Labeling Assistant

YoYo-SLA is a python module providing required functionalities to view/edit/modify labeled data using photo editing softwares like GIMP. The library supports various file formats such as xcf (gimp) and ora (OpenRaster).

1.1 Features

- A customized version of OpenRaster file ($*$.orax).
- A File loader for multi-layer imagery files (the loader load the file to a in-memory structure containing the layers, original image, metadata, and other properties)
- Extension of the file loader for XCF files ($*$.xcf)
- Extension of the file loader for ORA files ($*$.ora)
- Extension of the file loader for ORAX files ($*$.orax)
- Extension of the file loader for RLE files.
- A File writer for multi-layer imagery files (updating the file structure based on the modifications made)
- The in-memory structure should have lazy loading of the layers.
- The in-memory structure should provide access to the metadata using [string index].
- A Sequential loader for processing files inside a folder.
- Convert from a multi-layer format to another multi-layer format.
- A tool for opening the ORAX files in gimp (including the gimp plugin, linux file handler, and script to install the file handler).
- A tool for converting all files in a folder from a file format to another file format.

1.2 Contributors

- Parham Nooralishahi (Developer)

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

yoyo66
YoYo-SLA : Segmentation Labeling Assistant 7

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

yoyo66/datastruct.py
The in-memory data structure definition and all related utils 9

Chapter 4

Namespace Documentation

4.1 yoyo66 Namespace Reference

YoYo-SLA : Segmentation Labeling Assistant.

4.1.1 Detailed Description

YoYo-SLA : Segmentation Labeling Assistant.

4.1.2 YoYo-SLA is a python module providing required functionalities to view/edit/modify labeled data using photo editing softwares like GIMP. The library supports various file formats such as xcf (gimp) and ora (OpenRaster).

Author

Parham Nooralishahi

Chapter 5

File Documentation

5.1 yoyo66/datastruct.py File Reference

The in-memory data structure definition and all related utils.

5.1.1 Detailed Description

The in-memory data structure definition and all related utils.

Author

Parham Nooralishahi

Index

yoyo66, 7
yoyo66/datastruct.py, 9