

klib2-ReadKitronyxCsv

GitHub repository for reading Kitronyx snapshot files and log files

Code Purpose

Collection of sample code and source code in various programming languages for aggregating data from Snapshot and Log folders' converted CSV files using Kitornyx products

FolderTree

```
ReadKitronyxCsv
|  README.md
|  README.pdf
|
\---SampleCode
|  |  main.m
|  |  ReadConvertLogFile1DimensionData.m
|  |  ReadSnapshot1DimensionData.m
|  |
|  +---SampleSnapshotData
|  |      20240227T170929_AdcData-1d.csv
|  |      20240227T170929_AdcData-2d.csv
|  |      20240227T170929_ForceData-1d.csv
|  |      20240227T170929_ForceData-2d.csv
|  |      20240227T170929_snapshot-frame.jpg
|  |      20240227T170929_snapshot-real_time_analyzer.jpg
|  |
|  \---Sample_ConvertLogFilePage 01
|  |      20240227T170929_AdcData-1d.csv
|  |
|  \---src
|  |      ReadConvertLogFile1DimensionData.m
|  |      ReadSnapshot1DimensionData.m
|  |
|  \---res
|  |      MatLABSampleResult.png
```

MathLAB

Version: R2023b Update 7 (23.2.0.2515942) 64bit January 30, 2024

Code Description

ReadSnapshot1DimensionData.m

- MATLAB file containing a function to read snapshot 1D files
- Returns [row, col, data] when given a 1D CSV path as a parameter.
- row: ROW - number of columns
- col: COL - number of rows
- data: Cell array data (size ROW*COL)

ReadConvertLogFile1DimensionData.m

- MATLAB file containing a function to read log 1D files
- Returns [row, col, times, data] when given a 1D CSV path as a parameter.
- row: ROW - number of columns
- col: COL - number of rows
- times: Cell array - Time values
- data_dict: Cell array data (size ROW*COL)

The screenshot displays the MATLAB Command Window and Workspace. The Command Window shows the execution of the `ReadSnapshot1DimensionData.m` function, which reads a 1D CSV file and returns a cell array of data. The Workspace shows the variables `ans`, `col`, `data`, `i`, `key`, `row`, `times`, and `value` with their respective values.

Name	Value
ans	[]
col	24
data	1x7488 cell
i	7488
key	7.4880e+03
row	5
times	1x7488 cell
value	1x120 cell