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)
```