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.py
        ReadKitronyxCsv.py
    +---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
            20240311T142511_AdcData-1d.csv
            20240311T142511_AdcData-2d.csv
            20240311T142511_ForceData-1d.csv
            20240311T142511_ForceData-2d.csv
    \---_pycache__
        ReadKitronyxCsv.py
+---res
        MatLABSampleResult.png
        PythonSampleResult.png
```

Python

Program tools: Vs Code (Vesion 1.87.1) Vs code Python Version: v2024.2.1

Code Description

ReadKitronyxCsv.py -.Collection of functions to read Kitronyx snapshot and log CSV files def ReadSnapshot1DimensionData(_path): - Function to read snapshot 1D files - Takes a 1D CSV path as a parameter and returns [row, col, data] - row: ROW - number of columns - col: COL - number of rows - data: Matrix data of size ROW*COL def ReadConvertLogFile1DimensionData(_path): - Function to read log 1D files - Takes a 1D CSV path as a parameter and returns [row, col, data_dict1 - row: ROW - number of columns - col: COL - number of rows - data_dict: Dictionary format data - keys: Time values - values: Matrix data of size ROW*COL

