combine_spx

This code appends the data on one SPX file to another SPX file. This can be used to combine results when doing 'RESTART_2' runs. That is, one folder has the results from 0 to 5 seconds. Another folder has the results from a ‘restart_2' for the next 5 seconds. This program will append the second folder results to the file in the first folder to allow for analysis of the entire data set.

Build Instructions

To build using g++

```
g++   combine_spx.cpp  MfixData.cpp -o  cobine_spx.exe
```

Usage

Notes:

- The first file is modified, consider backing it up before running the program
- The second file is left unchanged
- It is easiest if the two runs are in different folders
- Sample program execution

```
combine_spx.exe

note : this code does endian byte-swaps

enter first  run name (without the .RES) (case sensititive) > a/BUB02

enter second run name (without the .RES) (case sensititive) > b/BUB02

enter the SPX file to combine (1-9) > 1

add last time of first file to each time in second file ? (0 = no) > 1


last time (first file) = 1.00135

a/BUB02.SP1

b/BUB02.SP1
```

```
processing time =         1.01183 =         1.00135 + 0.0104844
processing time =         1.02319 =         1.00135 + 0.0218424
processing time =         1.03193 =         1.00135 + 0.0305794
processing time =         1.04163 =         1.00135 + 0.0402871
processing time =         1.05134 =         1.00135 + 0.0499949
processing time =         1.06213 =         1.00135 + 0.0607813

.
.
.

processing time =          1.9526 =         1.00135 + 0.951252
processing time =         1.96458 =         1.00135 + 0.963236
processing time =         1.97302 =         1.00135 + 0.97167
processing time =         1.98189 =         1.00135 + 0.980548
processing time =         1.99521 =         1.00135 + 0.993864
processing time =         2.00507 =         1.00135 + 1.00373
updating record 3 value ...
```