modify_time

This code allows you to modify a time stored in a SPX file. Occasionally during a restart, the times in a SPX file will be out of order. The MFIX to Ensight Case translator (m2e) will not process a file in which this occurred. For example:

- t = 1.000   then t = 0.999   then t = 1.1

This code will allow you to manual change the 0.999 to a time compatible with m2e (such as 1.00001).

Build Instructions

To build using g++

```
g++  modify_time.cpp  -o modify_time.exe
```

Usage

modify_time.exe

Basic Procedure:

- run sample_RES_SPX_reader.exe to get the time/position data for each SPx file
- run modify_time.exe to change the time at a specified position
- you will need to run modify_time.exe for each SPx file
- Sample execution is given below

```
./modify_time.exe

maximum file position allowed = 18446744073709551615

enter file name to modify (case sensitive) > COAL_JET.SP1

enter position in file to change > 2356535296

current time = 6.83002

enter new time > 6.83010
```