

## Help

```

#if defined(PremiaCurrentVersion) && PremiaCurrentVersion <
    (2008+2) //The "#else" part of the code will be freely av
    ailable after the (year of creation of this file + 2)
#else
/*****
*   CPS - A simple C PDE solver                                     *
*                                                                 *
*   Copyright (c) 2007,                                           *
*   Maya Briani          <m.briani@iac.rm.cnr.it>,                *
*                                                                 *
*   Francesco Ferreri <francesco.ferreri@gmail.com>,             *
*   Roberto Natalini   <r.natalini@iac.rm.cnr.it>,                *
*   Marco Papi         <m.papi@iac.rm.cnr.it>                     *
*                                                                 *
*****/
#include <string.h>
#include <stdio.h>
#include <stdlib.h>

#include "cps_assertions.h"

void assertion_callback(assert_type type, const char *file,
    int line, const char *func, const char *tag, const char *
    cond, const char *addinfo){

    const char *str_type;

    switch (type) {
    case assert_require:
        str_type = "PRECONDITION";
        break;
    case assert_ensure:
        str_type = "POSTCONDITION";
        break;
    case assert_check:
        str_type = "CHECK";
        break;
    default:
        str_type = "UNKNOWN";
    }
}

```

```
}

fprintf(stderr, "{n*** assertion violation (%s) in %s() (
    %s,%d){n{n", str_type, func, file, line);
fprintf(stderr, "%s: (%s){n", tag, cond);
if(addinfo){
    fprintf(stderr, " ,%s{n", addinfo);
}
else{
    fprintf(stderr, "{n");
}
fprintf(stderr, "***{n");
abort();
}

#endif //PremiaCurrentVersion
```

## References