

Help

```
#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2008+2) //The "#els
#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>                  *
*                                                                 *
*****/
#ifndef PDE_H
#define PDE_H

#include "
href../../common/math/highdim_solver/cps_types_h_src.pdfcps_types.h"

#define PDE_MAX_TERMS 10

struct pde_t
{

    pde_term *terms[PDE_MAX_TERMS];
    const function *source_term;
    pde_integral_term *integral_term;
    unsigned int terms_count;
    unsigned int item;
};

int pde_create(pde **);
int pde_destroy(pde **);
int pde_add_term(pde *, pde_term *);
int pde_set_source_term(pde *, const function *);
int pde_set_integral_term(pde *, pde_integral_term *);
int pde_has_source_term(const pde *);
int pde_has_integral_term(const pde *);

int pde_term_start(pde *);
```

```
int pde_term_forth(pde *);
int pde_term_item(pde *, pde_term **);
int pde_term_after(pde *);

int pde_next_term(pde *, pde_term **);
#endif

#endif //PremiaCurrentVersion
```