

## 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,
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*
*****/
#ifndef PDE_H
#define PDE_H

#include "cps_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
```

## References