

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 BOUNDARY_DESCRIPTION_H
#define BOUNDARY_DESCRIPTION_H

#include "cps_types.h"
#include "cps_dimensions.h"

#define BOUNDARY_NONE    0xB0
#define BOUNDARY_LEFT    0xB1
#define BOUNDARY_RIGHT   0xB2
#define BOUNDARY_INITIAL 0xB3

struct boundary_description_t
{
    function *initial;
    function *left[MAX_DIMENSIONS];
    function *right[MAX_DIMENSIONS];
};

int boundary_description_create(boundary_description **);
int boundary_description_set_left(boundary_description *,
    unsigned int, function *);
int boundary_description_set_right(boundary_description *,
    unsigned int, function *);
int boundary_description_set_initial(boundary_description *
    , function *);
```

```
double boundary_description_evaluate(boundary_description *  
    , const grid *, const grid_node *);  
int boundary_description_destroy(boundary_description **);  
#endif  
  
#endif //PremiaCurrentVersion
```

References