

[Help](#)

```

#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2008+2) //The "#els
#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, functio
int boundary_description_set_initial(boundary_description *, function *);
double boundary_description_evaluate(boundary_description *, const grid *, const
int boundary_description_destroy(boundary_description **);
#endif

```

```
#endif //PremiaCurrentVersion
```