Help

```c
#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 STENCIL_OPERATOR_H
#define STENCIL_OPERATOR_H

#include "cps_types.h"

#define STENCIL_OP_UXX   0xA7
#define STENCIL_OP_UYY   0xA6
#define STENCIL_OP_UXY   0xA5
#define STENCIL_OP_UX    0xA4
#define STENCIL_OP_UY    0xA3
#define STENCIL_OP_U     0xA2

struct stencil_operator_t {

  unsigned int type;
  unsigned int is_applied;

  stencil*   applied_stencil;
  stencil*   (*apply)(const pde_term *, const grid *);
};

int stencil_operator_create(stencil_operator **, int);
int stencil_operator_destroy(stencil_operator **);
int stencil_operator_apply(stencil_operator *, const pde_te
```

```
    rm *, const grid *);
#endif

#endif //PremiaCurrentVersion
```

References