

## 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
/*****
    *****/
/*
                                precond.h
                                */
/*****
    *****/
/*
                                */
/* PRECONDiTioners for iterative solvers of systems of line
   ar equations      */
/*
                                */
/* Copyright (C) 1992-1995 Tomas Skalicky. All rights res
   erved.            */
/*
                                */
/*****
    *****/
/*
                                */
/*      ANY USE OF THIS CODE CONSTITUTES ACCEPTANCE OF TH
   E TERMS          */
/*      OF THE COPYRIGHT NOTICE (SEE FILE copyright.h
   )                */
/*
                                */
/*****
    *****/

#endif
#define PRECOND_H

#include "laspack/lastypes.h"
#include "laspack/highdim\_vector.h"
#include "laspack/qmatrix.h"
#include "laspack/copyright.h"

```

```
typedef Vector *(*PrecondProcType)(QMatrix *, Vector *, Vector *, double);

/* declaration of preconditioners */

Vector *JacobiPrecond(QMatrix *A, Vector *y, Vector *c,
    double Omega);
Vector *SSORPrecond(QMatrix *A, Vector *y, Vector *c,
    double Omega);
Vector *ILUPrecond(QMatrix *A, Vector *y, Vector *c,
    double Omega);

#endif /* PRECOND_H */

#endif //PremiaCurrentVersion
```

## References