```
   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
#include "fd_operators.h"

// Operators aliases to make code more readable
// Inclusion is totally optional

// Mask

#define UNIFORM_SECOND_SPATIAL_DERIVATIVE_CENTERED_MASK(jam
    ,i) {
  FDOPERATORJAM_SDSUC_SET_MASK(jam,i)

#define MIXED_SECOND_SPATIAL_DERIVATIVE_CENTERED_MASK(jam,
    i1,i2) {
  FDOPERATORJAM_SDSMC_SET_MASK(jam,i1,i2)

#define MIXED_SECOND_SPATIAL_DERIVATIVE_CENTERED_BOUCHUT_
    MASK(jam,i1,i2) {
  FDOPERATORJAM_SDSMCB_SET_MASK(jam,i1,i2)

#define FIRST_SPATIAL_DERIVATIVE_UPWIND_MASK(jam,i) {
  FDOPERATORJAM_SDFU_SET_MASK(jam,i)

#define FIRST_SPATIAL_DERIVATIVE_CENTERED_MASK(jam,i) {
  FDOPERATORJAM_SDFC_SET_MASK(jam,i)

#define FIRST_SPATIAL_DERIVATIVE_FORWARD_MASK(jam,i) {
  FIRST_SPATIAL_DERIVATIVE_UPWIND_MASK(jam,i)

#define FIRST_TIME_DERIVATIVE_FORWARD_MASK(jam) {
  FDOPERATORJAM_TDFF_SET_MASK(jam)

#define ZERO_ORDER_MASK(jam) FDOPERATORJAM_ZO_SET_MASK(jam)

// Value
#define UNIFORM_SECOND_SPATIAL_DERIVATIVE_CENTERED_SET(jam,
    i,v) {
```

```
  FDOPERATORJAM_SDSUC_SET_VALUE(jam,i,v)

#define MIXED_SECOND_SPATIAL_DERIVATIVE_CENTERED_SET(jam,i1
    ,i2,v) {
  FDOPERATORJAM_SDSMC_SET_VALUE(jam,i1,i2,v)

#define MIXED_SECOND_SPATIAL_DERIVATIVE_CENTERED_BOUCHUT_SE
    T(jam,i1,i2,v) {
  FDOPERATORJAM_SDSMCB_SET_VALUE(jam,i1,i2,v)

#define FIRST_SPATIAL_DERIVATIVE_UPWIND_SET(jam,i,v) {
  FDOPERATORJAM_SDFU_SET_VALUE(jam,i,v)

#define FIRST_SPATIAL_DERIVATIVE_CENTERED_SET(jam,i,v) {
  FDOPERATORJAM_SDFC_SET_VALUE(jam,i,v)

#define FIRST_SPATIAL_DERIVATIVE_FORWARD_SET(jam,i,v) {
  FIRST_SPATIAL_DERIVATIVE_UPWIND_SET(jam,i,v)

#define FIRST_TIME_DERIVATIVE_FORWARD_SET(jam,v) {
  FDOPERATORJAM_TDFF_SET_VALUE(jam,v)

#define ZERO_ORDER_SET(jam,v) FDOPERATORJAM_ZO_SET_VALUE(
    jam,v)

#endif //PremiaCurrentVersion
```

References