Vimpack

- Get last version of file
- Automatic update of current branch (« local »)
- Code browser
- Fast searching

File editing

$ vimpack cnt4.F90

Update, automatic copy to local

```
369 !     ------------------------------------------------------------------
370
371 !*    2.       Prepare occurences of I/O events.
372 !              ---------------------------------
373
374 CALL MONIO(IPOSTS,IPISPS,IHISTS,ISFXHISTS,IGDITS,ISDITS,IDHFGTS,IDHFZTS,&
375  & IDHFDTS,IDHPTS,ICFUTS,IXFUTS,IRESTS,IMASSCONS,IRAZTS)
376 CALL MONVAR(IREFTS,IANATS,IGRATS)
377 IF (LELAM) THEN
378   CALL MOEVAR(ILSGTS)
379 ENDIF
380
381 X = X + 1
382
383 IF (NPRINTLEV >= 1) THEN
384   WRITE(NULOUT,'('' POST-PROCESSING EVENTS, IPOSTS '')')
385   WRITE(NULOUT,'(40I2)')IPOSTS
386   WRITE(NULOUT,'('' ISP (Animation !) EVENTS, IPISPS '')')
387   WRITE(NULOUT,'(40I2)')IPISPS
388   WRITE(NULOUT,'('' HISTORY WRITE-UP, IHISTS '')')
389   WRITE(NULOUT,'(40I2)')IHISTS
390   WRITE(NULOUT,'('' HISTORY SURFACE WRITE-UP, ISFXHISTS '')')
391   WRITE(NULOUT,'(40I2)')ISFXHISTS
392   WRITE(NULOUT,'('' MASS CONSERVATION FIXUP, IMASSCONS '')')
393   WRITE(NULOUT,'(40I2)')IMASSCONS
"src/local/arpifs/control/cnt4.F90" 1303L, 39241C                    381,9         28%
```

Browsing

```
369 !     ----------------------------------------------------------
370
371 !*    2.       Prepare occurences of I/O events.
372 !              ---------------------------------
373
374 CALL MONIO(IPOSTS,IPISPS,IHISTS,ISFXHISTS,IGDITS,ISDITS,IDHFGTS,IDHFZTS,&
375  & IDHFDTS,IDHPTS,ICFUTS,IXFUTS,IRESTS,IMASSCONS,IRAZTS)
376 CALL MONVAR(IREFTS,IANATS,IGRATS)
377 IF (LELAM) THEN
378   CALL MOEVAR(ILSGTS)
379 ENDIF
380
381 X = X + 1
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383 IF (NPRINTLEV >= 1) THEN
384   WRITE(NULOUT,'('' POST-PROCESSING EVENTS, IPOSTS '')')
385   WRITE(NULOUT,'(40I2)')IPOSTS
386   WRITE(NULOUT,'('' ISP (Animation !) EVENTS, IPISPS '')')
387   WRITE(NULOUT,'(40I2)')IPISPS
388   WRITE(NULOUT,'('' HISTORY WRITE-UP, IHISTS '')')
389   WRITE(NULOUT,'(40I2)')IHISTS
390   WRITE(NULOUT,'('' HISTORY SURFACE WRITE-UP, ISFXHISTS '')')
391   WRITE(NULOUT,'(40I2)')ISFXHIST
392   WRITE(NULOUT,'('' MASS CONSERV
393   WRITE(NULOUT,'(40I2)')IMASSCON
"src/local/a                /control/cnt4.F90" 1
```

CALL **MONIO**
USE **YOMCT0**
TYPE (**IOFLDDESC**)

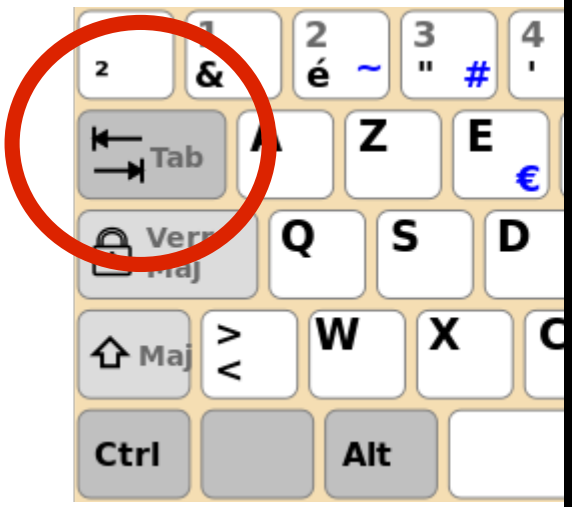

```
 1 SUBROUTINE MONIO(KPOSTS,KPISPS,KHISTS,KSFXHISTS,KGDITS,KSDITS,KDHFGTS,&
 2  & KDHFZTS,KDHFDTS,KDHPTS,KCFUTS,KXFUTS,KRESTS,KMASSCONS,KRAZTS)
 3
 4 !**** *MONIO* - Management of the IO events
 5
 6 !     Purpose.
 7 !     --------
 8 !     Set up the IO events control arrays
 9
10 !**   Interface.
11 !     ----------
12 !        *CALL* MONIO(...)
13
14 !        Explicit arguments :
15 !        --------------------
16 !        KPOSTS : ARRAY CONTAINING POST-PROCESSING TIME STEPS
17 !        KPISPS : ARRAY CONTAINING ISP (Animation !) TIME STEPS
18 !        KHISTS : ARRAY CONTAINING TRAJECTORY TIME STEPS
19 !        KSFXHISTS: ARRAY CONTAINING TRAJECTORY TIME STEPS FOR SURFACE
20 !        KGDITS : GRID POINT DIAGNOSTICS TIME STEPS
21 !        KSDITS : SPECTRAL DIAGNOSTICS TIME STEPS
22 !        KDHFGTS : WRITE OUT TIME STEPS FOR GLOBAL MEANS DDH
23 !        KDHFZTS : WRITE OUT TIME STEPS FOR ZONAL MEANS DDH
24 !        KDHFDTS : WRITE OUT TIME STEPS FOR LIMITED AREAS DDH
25 !        KDHPTS : PAS DE TEMPS IMPRESSIONS DIAGNOSTICS DDH
".vimpack/src=/arpifs/control/monio.F90" 225L, 6483C                1,1           Top
```

Searching

```
773       & .OR. NSIM4D == NSIM4DL)          )
774
775      !*   3.9.1 Variational analysis on
776
777      IF(NCONF/100 == 1.OR.LLTLEVOL) THEN
778        CLCONF(1:9)='A00000000'
779        RESTART=CLCONF(1:1)
780        LTWANA=.TRUE.
781        LLFDBOP=LFDBOP
782        LFDBOP=.FALSE.
783        IOUTTYPE=NOUTTYPE
784        NOUTTYPE=1
785        CALL STEPO(CLCONF)
786        IF (LLTLEVOL) THEN
787          CALL PPFLUSH
788          CALL PPCLOSE
789        ENDIF
790        LFDBOP=LLFDBOP
791        NOUTTYPE=IOUTTYPE
792        LTWANA=.FALSE.
793      ENDIF
794
795      !*   3.9.2 Post-processing
796
797      IF(LLWRTRA) THEN
```


```
 1
 2 aladin/coupling/ecoupl1.F90
 3
 4    237 | ENDDO ! JGPBLKS
 5    238 |
 6    239 | ! "time stepping" for coupled grid-point GFL fields (must go in STEPO and STEPOTL).
 7    240 | !$OMP do
 8    241 | DO JFL=1,YGFL%NUMFLDS
 9
10 aladin/sinvect/ewrtsv.F90
11
12     66 | #include "cain.intfb.h"
13     67 | #include "scaas.intfb.h"
14     68 | #include "stepo.intfb.h"
15     69 |
16     70 | !     ----------------------------------------------------------
17 ...
18     82 | LTWGRA=.FALSE.
19     83 | NSIM4D=KEIG
20     84 | call STEPO("A00000000")
21     85 | LTWLCZ=.FALSE.
22     86 |
23
24 aladin/utility/euvcopy.F90
25
26     34 | !     Modifications.
27     35 | !     --------------
28     36 | !        Original : 98-03-30 From STEPO
29     37 | !        M.Hamrud      01-Oct-2003 CY28 Cleaning
30     38 | !        A.Bogatchev 15-04-2013 NFLEVL => YOMDIMV
31
32 aladin/var/ecosjr.F90
33
34     88 | !     ----------------------------------------------------------
35     89 |
36     90 | #include "stepo.intfb.h"
37     91 | #include "stepoad.intfb.h"
38     92 | #include "stepotl.intfb.h"
39 ...
40    126 | !                    Mask Operator
41    127 | IF(LOCNORM) THEN
42    128 |   CALL STEPO   ('0K0000000')
43    129 |   CALL STEPOTL('0GB0L0AA0')
44    130 | ENDIF
45
46 aladin/var/ewreini.F90
47
48     13 | !       PDX  - initial perturbation
49     14 |
50     15 | !       Externals - SIM4D,  STEPO
51     16 | !       ---------
52     17 |
53 ...
`stepo' was found in 48 files                                    14,5          Top
```

Browsing




```
1
2 aladin/coupling/ecoupl1.F90
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6    239 | ! "time stepping" for coupled grid-point GFL fields (must go in STEPO and STEPOTL).
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9
10 aladin/sinvect/ewrtsv.F90
11
12    66 | #include "cain.intfb.h"
13    67 | #include "scaas.intfb.h"
14    68 | #include "stepo.intfb.h"
15    69 |
16    70 | !     ----------------------------------------------------------------
17 ..
18    82 | LTWGRA=.FALSE.
19    83 | NSIM4D=KEIG
20    84 | call STEPO("A00000000")
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23
24 aladin/utility/euvcopy.F90
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26    34 | !     Modifications.
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50    15 | !       Externals - SIM4D,  STEPO
51    16 | !       ---------
52    17 |
53 ...
`stepo' was found in 48 files                                  14,5          Top
```
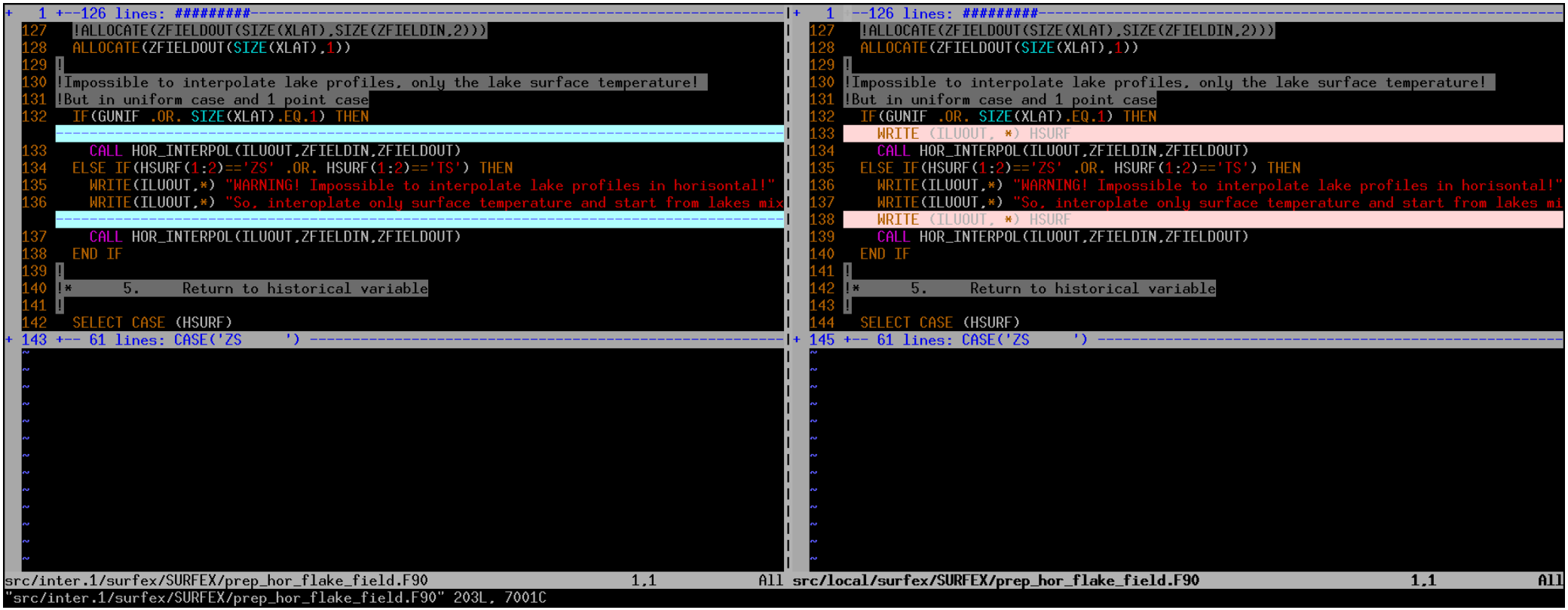

Difference



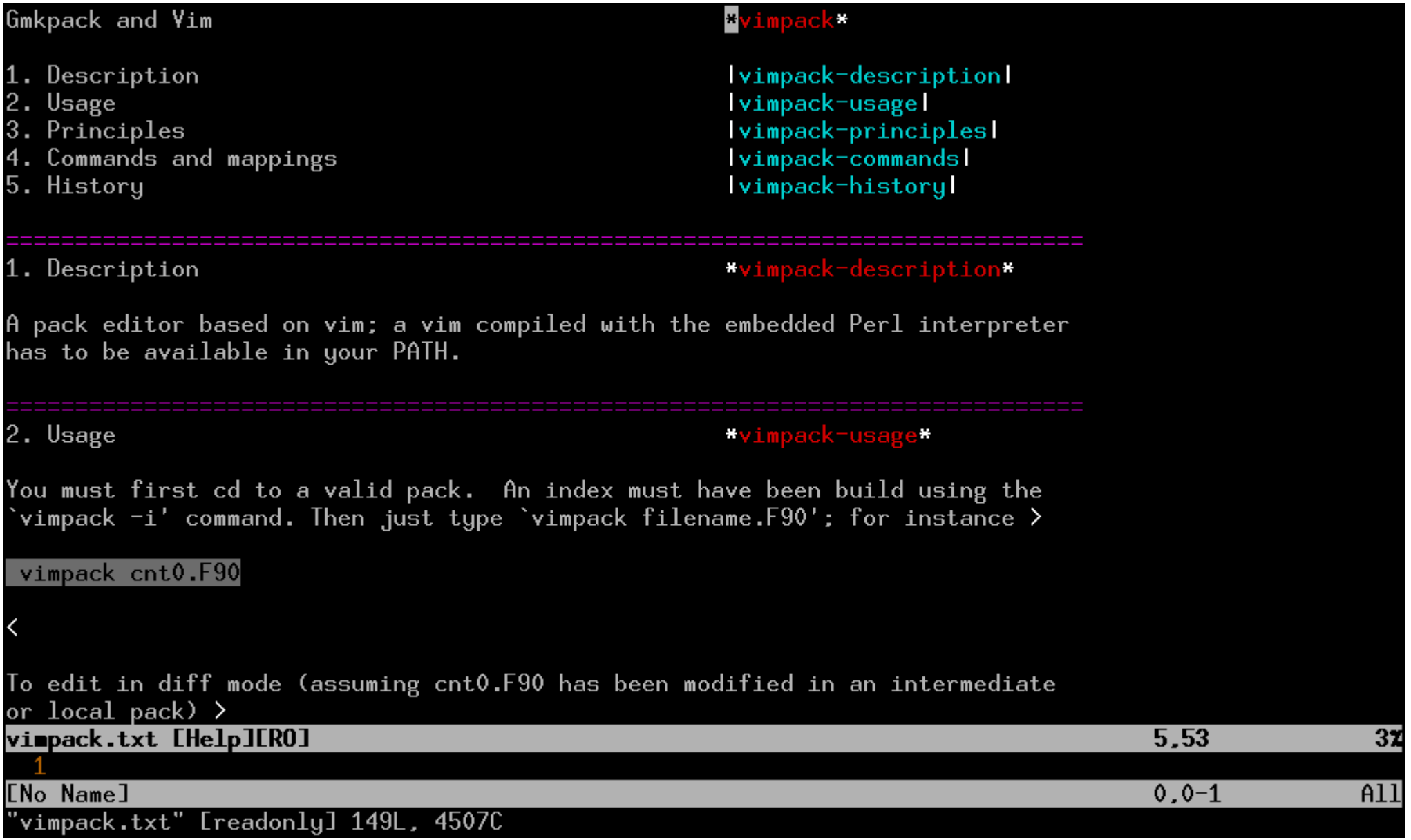
$ vimpack -d prep_hor_flake_field.F90
or
:D in vim command line

Compilateur messages

```
141   CALL GATH_GRID (KFGATHG=KFIELDS,KTO=ITO,PGP=PBUF,PGPG=ZGPG)
142 ENDIF
143
144 DO JFLD = 1, INFL
145   IFLDG = IFLDOFF(MYPROC) + JFLD
146   IF (YDFLDSC (IFLDG)%LUNDF) &
147     & CALL WRGP2FA_REMOVE_UNDEF (ZGPG (:,JFLD), YDFLDSC(IFLDG))
148 ENDDO
149
150 CALL FPGPNORMX (ZGPG, YLCPDSC%ZAVE, YLCPDSC%ZMIN, YLCPDSC%ZMAX)
151
152 <{error:
153 A logical data type is required in this context.   [LDOCQ]
154 This is not a field name that is defined in the encompassing structure.   [LDOCQ]
155 }>IF (YDFACTX%YIOOPTS%LDOCQ) THEN
156
157   IDIMGVAL=MAXVAL (YDFLDSC%NSIZPK)
158   ALLOCATE (ZGVALCO (IDIMGVAL, INFL))
159
160   IFLDG1=IFLDOFF(MYPROC)+1
161   IFLDG2=IFLDOFF(MYPROC)+INFL
162
163   CALL COMPACTFLD (YDFACTX, YDFLDSC (IFLDG1:IFLDG2), ZGPG, YLCPDSC, ZGVALCO)
164
165   CALL WRGATHFLNM (1_JPIM, INFL, IDIMGVAL, INFD, IFLDOFF, ZGVALCO, YLCPDSC, &
166                  & LDNORM=.TRUE., YDFACTX=YDFACTX, KTAG=KTAG,                &
167                  & CDNORMTITLE='GPNORMS OF FIELDS TO BE WRITTEN OUT ON FILE :')
168
169   DEALLOCATE (ZGVALCO)
                                                                  152,1         93%
```

$ vimpack -w wrgp2fa.F90 or :WI (vim command)

Online help



:help vimpack (vim command)