

exit



```
exit - GRASS 가 .

exit

exit GRASS , GRASS
. GRASS
, GRASS
yes
,
.
. ( GRASS
. )
g.remove
GRASS GRASS d.mon -r
GRASS
가 가 , GRASS
) 가 d.mon (7
가 GRASS , g.gisenv
GRASS , GRASS
GRASS
.
. GRASS

exit .
```

d.mon g.gisenv g.remove

Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee, Chun-Seok(stoney@jinju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.access

g.access -

g.access

가 GRASS 가
. g.access (chmod).
g.access

```
LOCATION: spearfish          MAPSET: demo

This program allows you to control access to your
mapset by other users.

Access may be granted/removed for everyone, or for
everyone in your group.

Mark an 'x' to allow access; erase the field to
restrict access.

GROUP: _x_
OTHER: _x_

AFTER COMPLETING ALL ANSWERS, HIT <ESC> TO CONTINUE
(OOR <Ctrl-C> TO CANCEL)
```

"x" ,

g.access . GRASS PERMANENT
PERMANENT 가 ,

g.mapsets

g.mapsets
chmd, group

Michael Shapiro, U.S. Army Construction Engineering Research Laboratory

Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee, Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.ask

g.ask - GRASS

g.ask help

g.ask *type=name* [*prompt="string"*] *element=name* [*desc="string"*]
unixfile=name

g.ask

g.ask가

(*type*) (element)

가

(*unixfile*) 4

< > :

type=name :

. *name* 가 old,new, any, mapset ,
"new" "any" "mapset "

old

new

any

mapset

"old"

prompt="string"

element=*name*

GRASS (, GRASS)

desc="string"

unixfile=*name*

가 , g.ask

name='some_name '
mapset='some_mapset '
fullname='some_fullname '
file='some_fullpath'

g.ask 가 type element
(name) (mapset)
(fullname), (file)
/bin/sh /bin/sh

unixfile

가 '!'

가
name=
mapset=
fullname=
file=

```
if [ !"$file" ]  
  then  
    exit  
  fi
```

d.ask , g.filename , g.findfile , g.gisenv

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Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.copy

g.copy - 가

(GRASS)

g.copy

g.copy help

g.copy [**rast**=from,to] [**vect**=from,to] [**icon**=from,to] [**labels**=from,to]
[**sites**=from,to] [**region**=from,to] [**group**=from,to]

GRASS

, GRASS

. g.copy

가

가

(,)

, parser

g.copy [**rast**=from,to] [**vect**=from,to] [**icon**=from,to] [**labels**=from,to]
[**sites**=from,to] [**region**=from,to] [**group**=from,to]

, 'soil' 'soil.ph' , 'roads'
'rds.old'

g.copy rast=soils,soils.ph vect=roads,rds.old

'soils'

g.copy rast='soils@wilson',soils

, g.copy

. (g.mapsets)

```

g.copy
,
,
,
Enter
list
, Enter

:
3dview=from, to
3d = ,
rast=from, to
Rast = ,
vect=from, to
= ,
icon=from, to
= ,
labels=from, to
/ = ,
sites=from, to
(sites) = ,
region=from, to
(region) = ,
group=from, to
= ,

```

g.access g.list g.mapsets g.remove g.rename parser

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Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

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17, sept., 2000, under **GPL**

g.filename

g.filename - GRASS

g.filename

g.filename help

g.filename element=*name* mapset=*name* file=*name*

g.filename , (sites) ,
(region) , (group)
Bourne .

g.filename parser
:
element=*name*
GRASS (GRASS)
mapset=*name*
GRASS 가
file=*name*
GRASS

g.filename

file='full_file_pathname'

/bin/sh . /bin/sh .

eval `g.filename element=*name* mapset=*name* file=*name*`

```

, element
.
가
.
가 0
'full_file_pathname'
.
, 가
file=
```

g.ask, g.findfile, g.gisenv, parser

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Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee,Chun-Seok(stoney@jinju.ac.kr), Jinju National University,
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g.findfile

g.findfile - GRASS

g.findfile

g.findfile help

g.findfile *element=aname* [*mapset=aname*] *file=aname*

g.findfile GRASS (region) (site) 가
Bourne

g.filename parser

element=aname

(, GRASS)

mapset=aname

GRASS
""

file=aname

GRASS ()

g.findfile

name='file_name'
mapset='mapset_name'
file='unix_filename'
fullname='grass_fullname'

name GRASS , mapset

, file unix

/bin/sh /bin/sh

eval `g.findfile element=aname mapset=aname name=aname`

Enter ,

```
name=  
mapset=  
fullname=  
file=
```

가 .

```
if [ ! "$file" ]  
then  
exit  
fi
```

```
g.ask g.filename g.gisenv g.mapsets parser
```

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g.gisenv

g.gisenv - GRASS

g.gisenv

g.gisenv [*variable_name*]

가 GRASS , GRASS GRASS
, , ,
가 GRASS .

g.gisenv가

, GRASS .
,

GISDBASE=/usr/grass4/data

LOCATION_NAME=spearfish

MAPSET=PERMANENT

, (\$LOCATION_ NAME) /usr/grass4/data/spearfish , (\$MAPSET) /usr/grass4/data/spearfish/PERMANENT .
가 (g.gisenv MAPSET),
GRASS .

, GRASS (, , , ,) ,

GISDBASE -

\$GISDBASE GRASS 가 . \$GISDBASE ()
가 , -GRASS (, , cellhd, dig,)-

LOCATION_NAME-

```

GRASS GRASS
,
, $LOCATION_NAME GRASS
$LOCATION_NAME GRASS GRASS
GRASS , $GISDBASE
PERMANENT ). GRASS

```

MAPSET

```

LOCATION_NAME( )
가 ,
,
,
가 , 가
, 가
GRASS
, $MAPSET 가 , $LOCATION_NAME
가
GRASS LOCATION_NAME 가
$MAPSET
)가 GRASS ( ,
PERMANENT

```

```

GRASS , $GISDBASE GRASS
(GRASS ), $LOCATION_NAME
$MAPSET

```

```
g.gisenv /bin/sh
eval `g.gisenv`
/bin/sh Bash
```

g.access g.ask g.filename g.findfile g.mapsets

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Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.help

g.help - GRASS (GRASS)

g.help

g.help GRASS , ,
.
g.help
(
)
가 .
GRASS g.manual .

GRASS User 's manual
g.manual

James Westervelt, Deb Brinegar, Mary Martin,
U.S. Army Construction Engineering Research Laboratory
:
Jim Westervelt.가 .

Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>
Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.list

g.list - mapset 가 GRASS

g.list

g.list help

g.list [-f] type=datatype [mapset=name]

g.list 가

g.list

raster(rast), Vector(vect)
(flags)

g.list

< **flags**>

-f

< >

type=datatype

가 : ()

rast

vect

icon

labels

sites (sites)

region (region)

group

mapset *=name*

: 가 ,

(g.access)

g,access . g.mapsets

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g.man2html

g.man2html - GRASS HTML
(GRASS)

g.man2html
g.man2html help
g.man2html *name*

g.man2html GRASS r off HTML Bourne

< >
name
GRASS man (r off)

g.man2html

\$GISBASE/scripts/g.man2html

g,nroff, g.manual, start.man.sh

James Darrell McCauley, Agricultural Engineering Purdue University

Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.manual

g.manual - GRASS
(GRASS)

g.manual
g.manual help
g.manual [- 1aefs] [entries=*name* [,*name*, ...]]

g.manual GRASS
가

()
g.manual.

g.manual
g.manual ,
list
가

()
- 1

- a
- 1 ,

- e
- 1 - a

- f
- a , 가

- s

0

1

g.help

GRASS User 's Reference Manual

g.help

Kurt Buehler, U.S.Army Construction Engineering Research Laboratory

Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.mapsets

```
g.mapsets - mapset
```

```
(GRASS )
```

```
g.mapsets
```

```
g.mapsets help
```

```
g.mapsets [-lp] [mapset=name[,name,...]]
```

```
(mapset)
GRASS GRASS
GRASS , GRASS
, GRASS
($MAPSET)
가 ,
GRASS
가
가 가
가 가
가 g.mapsets
가
g.mapsets GRASS 가
가 가 가
가
GRASS (vector, raster,
)
```

```
g.copy rast='soils.file@PERMANENT',my.soils
```

PERMANENT soils.file my.soils

PERMANENT

()
, 가 , Soil_Maps , Soil_Maps
, 가
g.mapsets

< >
-l 가
-p

< >
mapset =name [,name ,...]
name GRASS
g.mapsets 가

g.access
, 가

g.access g.copy g.gisenv g.list

Michael Shapiro, U.S.Army Construction Engineering Research Laboratory
Greg Koerper, MinTech Environmental Technology, Inc.

Draft : KSIC Ltd. , Seoul Korea, <http://hangrass.ksic.co.kr>

Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.nroff

```
g.nroff - GRASS nroff .
(GRASS )
```

```
g.nroff help
g.nroff name [value]
g.nroff < name
```

```
g.nroff GRASS nroff ,
```

```
< >
name
GRASS (roff GRASS )
section
1:
2:
3:
4: , 가
5:
: 4
```

```
g.rnroff .
```

```
$GISBASE/scripts/g.nroff
```

```
g.manual start.man.sh
```

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g.region

g.region - GRASS

(GRASS region)

g.region

g.region help

g.region [-dgpu] [region=*name*] [raster=*name*] [vector=*name*] [sites=*name*]
[3dview=*name*] [n=*value*] [s=*value*] [e=*value*] [w=*value*] [res=*value*]
[nsres=*value*] [ewres=*value*] [zoom=*name*] [align=*name*] [save=*name*]

g.region (region)

(region) 가

, region . region

window

region

region (時點)

region , (current region) region

, d.rast region GRASS

region

:
 GRASS , , (current
 region)

```

REGION FACILITY
LOCATION: sample                      MAPSET: grass
CURRENT REGION: N=5167600 S=5156755 RES=50 ROWS=216
                      E=729314 W=705924 RES=50 COLS=467
PROJECTION: 1 (UTM)
ZONE: 13

Please select one of the following options

      Current Region                Region Database

1 Modify current region directly    6 Save current region in the database
2 Set from default region           7 Create a new region
3 Set from a database region        8 Modify an existing region
4 Set from a raster map
5 Set from a vector map
RETURN to quit
  
```

(Region) :

```

GRASS region
      region (cells)
      가 - , - 가
      .
region
      (y , ) northing ,
      (x , ) eastings .

GRASS
가 (cell) region
      , - , - 가
      , .
  
```

(Default Region)

```

GRASS LOCATION_NAME 가
      , .
      (default region) PERMANENT DEFAULT_WND
region . (default region)
(region) , 가
(region)가 (default region)
  
```

(Current Region)

(Current Region)

가

(region) GRASS

(current region)

가

(resample)

Region Data Base :

GRASS

(region)

(region)

windows

region

(current region)

region

(REGION EDIT PROMPT)

```
region
region
-----
IDENTIFY REGION
-----
          DEFAULT REGION
          Default North: 3402025.00
          ===YOUR REGION===
          NORTH EDGE
          3402025.00_
          WEST EDGE          EAST EDGE
Def West : 233975.00_      236025.00_      Def East : 236025.00
          SOUTH EDGE
          3399975.00_
          -----
          Default South: 3399975.00
          -----
          Default  GRID RESOLUTION  Region
          50.00   --- East-West ---  50.00__
          50.00   -- North-South --  50.00__

AFTER COMPLETING ALL ANSWERS, HIT <ESC> TO CONTINUE
```

NORTH EDGE, SOUTH EDGE, WEST EDGE, EAST EDGE 가
Default North, Default South, Def West and
Def East (default region)

GRID RESOLUTION Region 가 (region)
RESOLUTION Default (default region)
가

REGION ()

1. Modify current region directly :
2. Set from default region :
(default region)
가
3. Set from a database region : region
region
가 가

NOTE :
region

4. Set from a raster map :

region

region
가 가
가

5. Save current region in the database :

(current region)

(current region)
windows
2 (Set from default region) region
d.display
region) region (current

6. Create a new region :

region
, region windows
region , region

7. Modify an existing region :

region

windows region
region

region

< **Flags** >

-d

(default region)

(current region)

-g

g.region

-p

(current region)

-u

(current region)

region

(current region)

```

< >
region=name region (name)
raster=name region
zoom=name option region
vector=name region
sites=name sites (point) region
3dview=name 3dview region , 3dview가 current region
n=value
s=value
e=value
w=value
res=value grid ( - - )
nsres=value - grid
ewres=value - grid
zoom=name region (name)
0 region
(current region)
raster=name , zoom=name zoom raster
region (current region)
align=name region current region ,
가 current region . align
가 가
region
raster=name

```

save=*n.ame*

(current region)

g.region n=7360100 e=699000

region

g.region -dp s=698000

(default region)

698000

g.region n=n+1000 w=w-500

n=value

n=n+value

value

500

value

가

, n=n-value

s=value, w=value

1000

가

g.region n=s+1000 e=w+1000

region

(- -)

1000

1000

g.region raster=soils

soils

가

region

current

region

g.region raster=soils zoom=soils

soils

region

current

region

,

soils

0

region

current region

raster=soils가

, soils

0

region

current region

g.region -up raster=soils

-u

region

region

soils

region

g.region -u raster=soils zoom=soils save=soils

soils

0

region

soils region windows ,

g.region -p
(current region)

projection: 1 (UTM)
zone: 15
north: 4294050.00
south: 4249950.00
east: 526050.00
west: 500950.00
nsres: 100.00
ewres: 100.00
rows: 441
cols: 251

g.region -g
-g current region

n=4294050.00
s=4249950.00
e=526050.00
w=500950.00
nsres=100.00
ewres=100.00

가 , g.region

-p (-g)

current region 가
/ 가 /

d.display d.zoom g.access g.mapsets

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Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.remove

g.remove -
(GRASS)

g.remove

g.remove help

g.remove [**rast**=*name* [, *name* , ...]] [**vect**=*name* [, *name* , ...]]
[**icon**=*name* [, *name* , ...]] [**labels**=*name* [, *name* , ...]]
[**sites**=*name* [, *name* , ...]] [**region**=*name* [, *name* , ...]]
[**group**=*name* [, *name* , ...]]

g.remove

g.remove

가

1. raster maps
2. vector maps
3. paint icon files
4. paint label files
5. site list files
6. region files
7. imagery group files

RETURN to exit

가

list

< >

rast=name [,name ,...]

vect=name [,name ,...]

icon=name [,name ,...]

labels=name [,name ,...]

sites=name [,name ,...]
(sites)

region=name [,name ,...]
region

group=name [,name ,...]
(group)

```
soils( ), slope( ), temp(
)
roads( ), rail( )
, nhap.1 nhap.2
(support files, , )
```

g.remove rast=soils,slope,temp vect=roads,rail group=nhap.1,nhap.2

() 가
, g.remove (support file)
g.remove
가

\$GISBASE/etc/element_list

g.copy g.list g.rename

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g.rename

g.rename -
(GRASS)

g.rename
g.rename help
g.rename [**rast=old,new**] [**vect=old,new**] [**icon=old,new**] [**labels=old,new**]
[**sites=old,new**] [**region=old,new**] [**group=old,new**]

g.rename
(rast, vect, icon, labels, sites, region, group
)

g.rename 가

1. raster maps
2. binary vector maps
3. paint icon files
4. paint label files
5. site list files
6. region definition files
7. imagery group files

RETURN to exit

() 가 ,

'**g.rename** rast=soils,soils'
g.rename

가

註) , soil_kr

'**g.rename** rast=soils,soil_kr'

가

soils soil_kr

g.copy g.list g.remove

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Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

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17, sept., 2000, under **GPL**

g.setproj

```
g.setproj - PROJ_INFO  
          PROJ_UNITS .
```

g.setproj

```
          PERMANENT PROJ_INFO  
          . PROJ_INFO .  
  
g.setproj PERMANENT 가 .  
          , v.proj  
          g.setproj .  
  
          PROJ_INFO  
PROJ_UNITS .  
          , .  
  
11 stp , (ellipse)  
          .  
  
aea, lcc, merc, leae (GRASS 5.x), leac (GRASS 5.x), tmerc  
          (prime meridian) (standard  
parallel)  
          .  
  
stp zone .  
  
UTM UTMzone (spheroid) .
```

v.proj m.proj

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Final : Lee,Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.tempfile

```
g.tempfile -  
(GRASS )
```

```
g.tempfile help  
g.tempfile pid=value
```

```
g.tempfile value 가  
    . GRASS /tmp  
    . GRASS  
    . GRASS  
    GRASS  
g.tempfile (PID)가  
    (PID)  
    , /bin/sh /bin/csh $$ , $$  
g.tempfile (PID)
```

```
/bin/sh ,  
    temp1=`g.tempfile pid=$$`  
    temp2=`g.tempfile pid=$$`
```

```
/bin/sh ,  
    set temp1=`g.tempfile pid=$$`  
    set temp2=`g.tempfile pid=$$`
```

```
g.tempfile . GRASS가  
    ,  
    , /bin/sh trap 가 ,
```

/bin/csh , /bin/csh onintr

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Final : Lee, Chun-Seok(stoney@inju.ac.kr), Jinju National University,
17, sept., 2000, under **GPL**

g.ve rs ion

g.version - GRASS
(GRASS)

g.version
g.version help

g.version GRASS

GRASS 4.0 (Summer 1991)

가 GRASS
가 , g.version

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Draft : KSIC Ltd., Seoul Korea, <http://hangrass.ksic.co.kr>

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17, sept., 2000, under **GPL**