



Index

This index is meant to be searched either visually, or with the Adobe Acrobat Reader find and find again facilities. Each page reference is a hyperlink to the page within MFguide where the reference occurs. Use the double back arrow in the Acrobat tool bar to return to the index entry you linked from.

The index has many seeming repetitions. This was done to facilitate searching on as many keywords as possible.

Symbols

- ! operator HD-OPF-2
- & operator HD-OPF-2
- .dbf TR-SHP-1
- .mfm UG-INS-17, UG-INS-19
- .mfp UG-INS-17, UG-INS-19
- .mfs UG-INS-17, UG-INS-19
- .shp TR-SHP-1
- .UNG TR-UNG-1
- | operator HD-OPF-2

Numerics

- 16-or 32-bit colour file TR-EMF-1
- 16-bit colour TR-BMP-2, TR-TIF-3
- 16-bit colour expressed numerically TR-EMF-1
- 16-bit colours TR-TIF-4

- 24-bit colour TR-EMF-1
- 24-bit colour image TR-BMP-4, TR-TIF-4
- 24-bit colour scan TR-TIF-2
- 255 columns wide TR-SLK-1
- 32-bit colour image TR-BMP-4
- 32-bit colour scan TR-BMP-2
- 3-D objects TR-DXF-3
- 5-bit colour information TR-EMF-1
- 7.5-minute quadrangle alignment TR-DEM-1
- 8-bit GIF file TR-GIF-2
- 8-bit indexed colour file TR-EMF-1
- 8-bit indexed palettes image TR-BMP-4, TR-TIF-4

A

- ABS function HD-OPF-9, HD-OPF-11
- ABS(x) UG-ALG-4
- absence of data UG-DAT-4
- absolute UG-PRJ-8
- absolute address UG-PRJ-6, UG-PRJ-8
- absolute addressing UG-PRJ-4, UG-PRJ-6
- absolute difference between two map layers HD-OPF-11
- absolute locations UG-PRJ-8
- About MFworks dialog box UG-INS-7
- absolute reference UG-PRJ-8
- absolute search paths UG-SCT-12
- absolute value UG-ALG-4, HD-OPF-9, HD-OPF-10, HD-OPF-11, HD-SCN-15
- absolute zero UG-DAT-9
- accuracy UG-DAT-18
- accuracy of measurement UG-DAT-5



- accuracy of perimeter calculation OP-IFR-3
- accuracy vs. precision UG-DAT-18
- accurate UG-DAT-18
- actual data values UG-MAP-2
- actual flows OP-DRN-3
- actual resolution of the scanner UG-DAT-17
- actual steepness HD-GRD-6
- add UG-PRJ-18, HD-PCC-1
- Add dialog box UG-PRJ-18
- Add Multiple UG-PRJ-10, UG-PRJ-18
- Add Multiple command UG-MNU-11
- add pages to the Layout UG-PRT-10
- Add to Project command UG-MNU-14
- added map layer names UG-PRJ-18
- adding and removing
 - legend elements UG-LEG-7
 - adding and removing legend
 - elements UG-LEG-7
 - adding map layers UG-PRJ-18
 - adding other data to the GeoMedia project
 - HD-OGM-1
 - adding pages to the Layout UG-PRT-7
 - adding text to a zone UG-LEG-49
- addition UG-ALG-5
- additive colour model UG-LEG-25
- adjoining map layers OP-COV-3
- administrative privileges UG-INS-3
- Adobe Acrobat Reader UG-INS-4
- advantages of relative addressing UG-PRJ-8
- aerial photographs UG-DAT-16
- aerial photography UG-DAT-21
- agricultural units OP-SCR-2
- air photographs HD-EDG-1
- airphoto UG-DAT-17, TR-GIF-2,
 - HD-RUB-1
- airphoto distortion OP-WRP-2
- airphoto interpretation HD-UNI-2
- airphotos UG-DAT-16, OP-FTR-2,
 - HD-CLS-9
- algebraic expression UG-ALG-1
- algebraic expressions UG-ALG-2
- algebraic operators UG-ALG-1
- algebraic statements UG-ALG-1
- align UG-DAT-11
- Align button UG-MAP-4
- Align Centre command UG-MNU-22
- Align Left command UG-MNU-22
- Align Map dialog box UG-MAP-6
- Align Right command UG-MNU-22
- AlignFrom modifier UG-SCT-28
- alignment UG-MAP-5, UG-TXT-2,
 - UG-TXT-8
- AlignTo modifier UG-SCT-28
- All Integer/Fixed Point Data
 - Operands UG-ALG-6
- ambiguity UG-SCT-19
- analysis UG-DEM-2, UG-SCT-1
- analysis results UG-DAT-16, HD-RSK-7
- analytical models UG-SCT-1
- analyze attributes UG-DAT-2
- anchor point UG-MPW--21, UG-MPW--22
- AND UG-ALG-6
- AND operator HD-OPF-2
- angle UG-DLG-4
- angle of translation HD-AZM-2
- angles UG-SCT-25
- animal migrations OP-PRF-4
- annotate UG-MAP-10
- annotation UG-TRM-5, UG-MAP-13,
 - UG-PRT-6
- annotation element UG-PRT-26
- annotation elements UG-MNU-19,
 - UG-PRT-25
- annotation in Layout window UG-PRT-1
- annotation stacking order UG-PRT-7
- annotation tool UG-PRT-26
- anomalies HD-SMT-10
- anomalous cell values HD-SMT-1
- anomalous pattern HD-SMT-2
- apparent displacement UG-TRM-4
- appearance of the map UG-PRT-1
- appending text to existing legend text
 - TR-TAB-7
- AppendText modifier TR-TAB-6
- applying colour proportionally UG-LEG-38,
 - UG-LEG-40
- applying colour sequentially UG-LEG-38
- applying grouping criteria UG-LEG-45
- applying the same colour to two or more consecutive zones UG-LEG-32
- ARC/INFO TR-BNA-1, TR-DEM-1,
 - TR-SHP-1



- ARC/INFO ungenerate command
TR-UNG-1
- ARC/INFO ungenerate files TR-UNG-1
- ARC/INFO coverages TR-UNG-1
- arcatlas command TR-BNA-1
- ARCCOS(x) UG-ALG-4
- arccosine UG-ALG-4
- ARCSIN(x) UG-ALG-4
- arcsine UG-ALG-4
- ARCTAN HD-RSK-4
- ARCTAN(x) UG-ALG-4
- arctangent UG-ALG-4
- ArcView TR-SHP-1
- area UG-LEG-17, OP-IAR-1
- area based features OP-MSR-3
- area based spatial analysis HD-SCN-1,
HD-SCR-1
- area based statistics OP-MSR-3, OP-RDM-2,
OP-SCR-2, HD-SCR-1
- area calculation OP-MSR-1, HD-VSD-11,
OP-IAR-2
- area calculation accuracy OP-IAR-4
- area characteristics UG-DAT-4
- area coverage UG-DAT-20
- area data UG-DAT-4
- area distribution sequences UG-LEG-43
- area element UG-LEG-3, UG-LEG-17
- area increment grouping UG-LEG-47
- areal coverage UG-TRM-4
- areal features OP-IPR-2
- areas UG-TRM-5
- areas above sea level HD-INT-4
- arithmetic operators UG-SCT-13
- artifacting HD-SMT-7, HD-SMT-8
- artifacting data values OP-SPL-2
- artifacts HD-SMT-10
- ASCII HD-MSC-1
- ASCII text TR-BNA-1
- ASCII text files TR-MIF-1
- ASCII text format TR-DXF-1
- aspect HD-BOO-7, OP-ORT-1
- assemble separate map layers HD-MSC-2
- assign common unique value OP-CLP-2
- assign new values HD-SRT-3
- assign unique identifiers OP-CLP-2,
HD-TSN-1
- assign unique values OP-CLP-2, OP-COM-1,
HD-COM-2
- assigning elevation values to contours using
the Scan operation HD-CTR-9
- assumption UG-DAT-5, UG-DAT-11,
UG-DAT-20, UG-DAT-21, UG-SCT-20
- assumptions UG-DAT-18, HD-CTR-3
- Atlas Pro TR-BNA-1
- attribute UG-TRM-1, UG-TRM-5,
UG-DAT-14, UG-DAT-21
- attribute (Field) fields UG-MGM-5
- attribute information TR-SHP-1
- attribute layers UG-DAT-15
- attribute table UG-DAT-13
- attributes UG-TRM-1, UG-DAT-2, UG-
DAT-4, TR-XYZ-1
- attributes of regions HD-TSN-3
- AutoCAD TR-DXF-1, TR-DXF-4
- automated feature extraction OP-FTR-1
- automatic classification HD-CHD-1,
HD-EDG-5, HD-EDG-7, HD-EDG-9,
HD-EDG-10
- automatic shortest path identification
HD-SRT-7
- available file list UG-SCT-3
- available memory UG-SCT-32
- avalanche planners HD-GRD-1
- average direction HD-BOO-4
- average elevation UG-TRM-2, HD-SRF-5
- average gradient OP-GRD-2, HD-RSK-1
- average of list UG-ALG-4
- average of values OP-SCN-2, OP-SCN-4
- average slope OP-GRD-1, OP-GRD-3,
HD-BOO-4
- average slopes OP-GRD-3
- Average Value HD-SCN-1, OP-SCR-3,
HD-OPF-11, HD-OPF-16, HD-SHR-2,
HD-SMT-11
- average value of non-VOID values
UG-ALG-4
- averaging HD-SMT-1, HD-SMT-14,
HD-SMT-16
- AVG UG-ALG-4
- AVGNV UG-ALG-4, UG-ALG-8,
HD-OPF-16
- axes UG-TRM-2



azimuth UG-MAP-4, UG-MAP-9,
 UG-SCT-30, UG-DAT-13, UG-DAT-14,
 UG-PRJ-6, UG-PRT-25, UG-SCT-29,
 OP-ROT-1, OP-ROT-2, HD-AZM-1,
 HD-AZM-3

B

Back bearing UG-TRM-1
 back bearing UG-MPW--5
 backup UG-MAP-20, UG-PRJ-7, UG-PRJ-8
 band contrast OP-MRG-5
 band interleaved files OP-SPL-3
 band interleaved images OP-SPL-3
 band ratioing HD-EDG-5, HD-EDG-7,
 HD-EDG-9, HD-EDG-10
 banding HD-SMT-7, HD-SMT-8
 Bar Format HD-CSF-11, HD-SHR-9
 bar graph HD-CSF-11
 barometric pressure OP-GRD-2, HD-RSK-1
 base 10 UG-ALG-4
 base e UG-ALG-4
 basemap UG-TRM-1, UG-DAT-15,
 UG-DAT-16, UG-DAT-17
 TR-BMP-3, TR-TIF-3, HD-CRP-2,
 HD-EDG-5, HD-EDG-7, HD-EDG-9,
 HD-EDG-10, HD-RUB-1
 base mapping HD-CLS-1
 bathymetric contour map layer HD-INT-6
 bathymetric values HD-INT-4
 bathymetry map layer HD-INT-4
 bearing UG-TRM-1, UG-MPW--4
 bedrock geology OP-IPR-1
 bilinear interpolation resampling OP-WRP-3,
 OP-WRP-7
 binary image formats OP-FLP-2
 binary values HD-OPF-2
 Biogeography HD-SCN-2, HD-SCR-2,
 HD-SCR-28
 black bodies HD-CSF-2
 blank maps UG-MAP-18
 block patterns HD-SMT-1
 blockiness HD-SMT-4, HD-SMT-9
 blocky segments HD-SMT-7

BMP TR-BMP-1
 bodies of water HD-ARA-1
 Bold Text UG-MNU-25
 Boolean UG-DAT-7, UG-DAT-8,
 UG-ALG-5, HD-BOO-8
 Boolean analysis HD-BOO-1
 Boolean logic HD-BOO-2, HD-OPF-2
 Boolean model HD-BOO-1
 Boolean operators HD-BOO-2, HD-OPF-1,
 HD-OPF-2, HD-OPF-4, HD-OPF-5
 Boolean Search HD-BOO-7
 Boolean search HD-BOO-1
 Boolean statement HD-OPF-5
 boot drive UG-SCT-32
 border UG-MAP-13
 borders and neatlines UG-PRT-6
 borders button UG-PRT-28
 borders in the Layout window UG-PRT-28
 bottom of the stack OP-COV-1
 boundaries UG-TRM-1, HD-CTR-5,
 HD-EDG-1, HD-EDG-9
 boundaries between polygons OP-TRC-2
 boundaries for drainage OP-PRF-4
 boundary HD-EDG-5
 boundary cells HD-TSN-5, OP-IFR-1
 boundary condition OP-IPR-3
 boundary file TR-BNA-3
 Boundary File Import dialog box TR-BNA-4
 Boundary files TR-BNA-1
 boundary isolation HD-CTR-5, HD-CTR-6
 boundary network OP-ILN-1, OP-ILK-1
 boundary partitioning OP-IAR-2
 boundary partitioning scheme OP-IFR-2
 bounding coordinate TR-BNA-3
 bounding coordinate fields TR-BNA-4
 bracketing UG-ALG-2, HD-PCC-1
 brackets UG-ALG-5, UG-ALG-6
 breaklines HD-PFL-2
 breaks in contour lines HD-CTR-7
 bright colours HD-GRD-1, HD-GRD-5
 bright patches HD-CSF-2
 brightness HD-SHR-7
 buffer HD-BOO-8
 buffer maps HD-SRT-6
 buffer zone HD-BOO-1, HD-BOO-5,
 HD-PNT-3, HD-SRF-1, HD-SRF-4



buffer zones HD-ARA-1, HD-COM-2,
HD-PNT-1
Build geometry UG-GEO-5, UG-GEO-7,
UG-GEO-8
building a geometry UG-GEO-8
BuildText modifier HD-RCD-2
by-lines UG-TRM-5
byte order UG-MAP-27, TR-BIN-1
byte precision UG-DLG-4
bytes to skip UG-MAP-27

C

cadastral map UG-DAT-18
calculate area OP-MSR-3, HD-ARA-1,
HD-ARA-3
Calculate Cell Resolution button UG-MAP-4
Calculate Cell Resolution dialog box
UG-MAP-8
calculate distance HD-SRF-2, HD-SRF-5
calculate local summary statistics
HD-SCN-5
calculate percentage HD-VSD-12
calculate slopes UG-DEM-2
calculate the average value in an area or zone
HD-SCR-5
calculate total area HD-VSD-10
calibration UG-DAT-20
cardinal direction OP-ORT-1
cardinal directions HD-BOO-3
cardinal points OP-PRF-1, HD-ASP-1,
HD-ASP-3
carriage returns UG-SCT-19
Cartesian graph UG-DAT-2
Cartesian Plane UG-TRM-2, UG-DAT-9
cartographic elements UG-PRT-1,
UG-PRT-30
cartographic information UG-DEM-1
cartographic standards UG-PRT-25
Cartography UG-DAT-15, UG-DAT-18,
UG-TXT-7
case insensitive UG-SCT-19
catchment area OP-FNC-1, HD-TSN-6

catchment areas OP-FNC-2, HD-TSN-1,
HD-TSN-3, HD-TSN-4
catchment polygons HD-TSN-3
catchments OP-MSR-3
cell UG-TRM-6, UG-TRM-1, UG-DAT-3,
UG-DAT-5, UG-DAT-6, UG-DAT-21,
UG-MAP-1, UG-MAP-5, UG-PRJ-6,
HD-SHR-1
cell area UG-LEG-18
cell by cell comparison HD-OPF-1
cell coordinates UG-DAT-9
cell count UG-LEG-3, UG-LEG-18,
HD-AZM-3
cell count for each zone in a map layer
HD-OPF-9
cell resolution UG-DAT-6, UG-DAT-12,
UG-DAT-14, UG-DAT-21, UG-TRM-2,
UG-MAP-4, UG-MAP-6, UG-MAP-17,
UG-PRJ-6, UG-GEO-3, HD-AZM-3,
HD-BOO-6
cell resolution and printing UG-PRT-3
cell resolution and the Layout window
UG-PRT-11
Cell Resolution field UG-MAP-6,
UG-MGM-5
cell resolution in the Layout window
UG-PRT-25
cell value units UG-MAP-8
cell values UG-DAT-3, UG-DAT-7
cells UG-DAT-4, UG-DAT-12, UG-MAP-1,
UG-MAP-2
cells below sea level HD-INT-5
cell-to-pixel ratio UG-MPW-10
Census data HD-SCR-25
census tracts OP-IPR-1
centroid UG-DAT-5, UG-DAT-6,
UG-DAT-22, OP-FNC-2, OP-SPD-6,
HD-TSN-2
centroids OP-FNC-1, HD-UNI-4
change a range of zones by the same
increment UG-LEG-41
Change by Zone Area colour sequence
HD-CSF-4
Change by Zone Area distribution
HD-EDG-5, HD-EDG-6, HD-EDG-10
change colour of a single zone UG-LEG-31



- Change Colour(s) command UG-MNU-16
- change data UG-MAP-2
- change detection HD-CHD-1, HD-OPF-2,
HD-SMT-19
- Change in Zone Area HD-CSF-2
- Change in Zone Area colour distribution
HD-CSF-5, HD-CSF-7, HD-CSF-9
- Change in Zone Area colour sequence
HD-CSF-9
- Change in Zone Area distribution HD-CSF-9,
HD-EDG-3, HD-RSK-4, HD-SHR-6
- change map colours UG-MAP-3
- change projection OP-WRP-2
- change scale OP-RSP-3
- change the data type of map layers HD-OPF-5
- change the scale OP-RSP-1
- change the scale of a map layer HD-SUB-1
- change value of a polygon UG-MPW-13
- Change Value(s) command UG-MNU-16
- changing colour UG-LEG-22
- changing font UG-TXT-4
- changing formats in the Legend Format
dialog box UG-LEG-11
- changing group colour UG-LEG-43
- changing group values UG-LEG-43
- changing one zone at a time UG-LEG-41
- changing scale OP-OVR-7
- changing the colours of a map layer
UG-LEG-24
- changing the format of the text of legend
entry elements UG-LEG-11
- changing the text format in the Legend
Window UG-LEG-12
- changing the zone colours (RGB) of a map
layer TR-TAB-15
- changing value UG-LEG-22
- changing values UG-LEG-40
- changing zone colours TR-TAB-1
- channels OP-PRF-4, HD-PFL-2
- Character Map UG-TXT-4
- characterization of shape of area boundaries
OP-IPR-4
- characterize boundaries OP-SCN-3
- characterize cell by surrounding values
HD-SCN-17, HD-SCN-20
- characterize cells OP-SCN-7
- characterize regions OP-SCN-3
- characterize sample sites HD-SCN-23
- characterizing neighbourhoods HD-SCR-1
- characterizing regions HD-SCR-1
- cheapest route OP-SPD-5, HD-CHP-4
- check command UG-SCT-30
- Check Script UG-SCT-15, UG-SCT-30,
UG-MNU-25
- Check Script command UG-MNU-17
- Check Script/Selection commands
UG-SCT-31
- Check Selection UG-SCT-15, UG-SCT-30,
UG-MNU-25
- Check Selection command UG-MNU-17
- checking scripts UG-SCT-30
- Choropleth maps HD-GRP-1
- chronology UG-MAP-10
- classification scheme HD-SMT-2
- classified data HD-SMT-2
- classified satellite data HD-SMT-16
- classify cells automatically OP-COM-2
- classify geologic terrains on Venus
HD-CVT-1
- Classify operation OP-CLS-1, HD-CVT-2
- classifying satellite imagery HD-ARA-1
- Clear UG-TXT-10
- Clear command UG-MNU-9
- clearing UG-MPW-32
- client machine UG-INS-18
- Clipboard UG-MPW-8, UG-MPW-25,
UG-PRT-25, UG-PRT-27, UG-TXT-3,
UG-TXT-10
- Close UG-MNU-25
- Close command UG-MNU-4
- Close Legend command UG-MNU-5
- Close Project command UG-MNU-5
- closed polygons UG-MPW-21
- closing a project UG-PRJ-13
- closing map layers UG-MAP-20
- Clump operation OP-CLP-2, OP-FNC-3
- clumps HD-ARA-3
- CMY UG-LEG-25
- CMY colour model UG-LEG-26
- coincidence of criteria HD-OPF-4
- coincidence of phenomena HD-CTB-1
- coincidence of values HD-CTB-2



- coincidences HD-CHD-1
- Collapse UG-MNU-11
- colon UG-SCT-19
- Colour UG-TXT-7
- colour UG-MAP-1, UG-LEG-2, UG-TXT-1
- colour a map layer UG-SCT-11
- colour accuracy TR-BMP-4, TR-TIF-4
- colour blindness UG-LEG-36
- colour box element UG-TXT-7
- Colour command UG-SCT-28, UG-MNU-22
- colour composite HD-SMT-11
- colour composite image OP-MRG-4,
HD-FCC-1
- colour distribution UG-LEG-40, HD-CSF-2
- colour element UG-LEG-3, UG-LEG-14
- colour gradation UG-LEG-33
- colour intensity data OP-MRG-1
- colour model interfaces UG-LEG-24
- Colour option UG-LEG-12
- colour output UG-PRT-1
- colour parameters UG-SCT-29
- Colour Picker UG-LEG-25, UG-LEG-27,
UG-LEG-28, UG-LEG-35, UG-TXT-8
- Colour Picker dialog box UG-MPW-14,
UG-LEG-31, UG-LEG-32, UG-TXT-2
- colour problems UG-PRT-33
- colour scheme UG-SCT-28, HD-GRD-1
- colour sensitivity UG-TXT-8
- colour separation UG-TRM-2
- colour sequence UG-TRM-6, HD-CSF-2,
HD-CSF-5, HD-CSF-7, HD-CSF-9,
HD-CSF-13, UG-LEG-24, UG-LEG-33,
UG-LEG-37, UG-SCT-29, HD-EDG-5,
HD-RSK-5
- Colour Sequence command UG-MNU-17
- Colour Sequence dialog box HD-SHR-6
- colour sequences HD-EDG-11
- colour sequences applied to value
ranges UG-LEG-34
- colour space UG-LEG-28, UG-LEG-35,
UG-LEG-36, UG-LEG-38, HD-CSF-5
- Colour submenu UG-SCT-29
- colour test UG-PRT-33
- colour theory UG-TXT-8
- column spacing UG-PRT-22
- combination of numbers and
ranges UG-SCT-23
- combination of values OP-COM-1,
HD-CHD-3
- combination of values you specify OP-CRS-3
- combinations of values OP-CRS-1,
HD-CTB-1
- Combine UG-LEG-49
- Combine operation OP-COM-3, HD-CHD-1,
HD-SCR-35, HD-SCR-39
- combined legend text HD-SCR-36
- combining multiple layers UG-DAT-21
- comma delimited list HD-SCR-36
- command UG-SCT-13
- commands UG-SCT-1, UG-SCT-28
- Commands menu UG-MAP-28, UG-SCT-6,
UG-SCT-9, UG-SCT-26, UG-SCT-29
- commas UG-SCT-19
- comment UG-SCT-30
- comment characters UG-SCT-30
- Comment window UG-MAP-10,
UG-MAP-11, UG-MAP-12,
UG-MAP-13
- Comment/Map UG-MNU-25
- commenting scripts UG-SCT-30
- comments UG-TRM-5, UG-MAP-10,
UG-SCT-19, UG-SCT-33
- Comments command UG-MNU-23
- common combinations HD-SCR-37
- common geographic area UG-MAP-1
- common geographic coverage UG-DAT-14
- common origin OP-COV-1
- commonly occurring values HD-CRS-7
- compare values HD-OPF-1
- comparing the value on a map layer to a
constant HD-OPF-2
- compass bearing UG-MAP-9
- compass graphic UG-MAP-9
- compass North UG-TRM-3
- compatibility UG-INS-19
- competing establishments HD-TSN-1
- competition HD-COM-1
- completing open polygons UG-MPW-22
- complex analytical models UG-SCT-1
- complex bracketed expressions UG-ALG-2



- complex methematical expressions
- HD-PCC-1
- complex outlines UG-MPW-22
- complex queries HD-BOO-2
- complex spread OP-SPD-6
- complex spread errors OP-SPD-6
- complex Spread operation OP-SPD-10,
 HD-SRF-1
- Complexity Low (1st order) UG-GEO-5
- component colours UG-TRM-2
- composite image OP-MRG-5
- composite images TR-TIF-4
- composite map UG-SCT-28, TR-BIN-5
- compounding errors UG-DAT-20
- compress intensity value range OP-MRG-5
- compression UG-MAP-4
- compression algorithm TR-TIF-1
- concentration HD-SCN-5
- condition UG-TRM-1
- conduits OP-PRF-4
- conduits for movement HD-PFL-2
- configure appearance before printing
 UG-PRT-1
- Conformal Projection UG-TRM-2
- Connection fields UG-MGM-5
- constant cost OP-SPD-5
- constant cost map layer HD-CHP-1
- constant cost value OP-SPD-2, HD-CHP-1
- constant values HD-OPF-11
- constants UG-ALG-1, UG-ALG-6
- constrain the line tool angle UG-MPW-21
- constrain the paint can tool UG-MPW-25
- constructing a script UG-SCT-4
- constructing script statements UG-SCT-5
- contaminant concentration OP-GRD-2,
 HD-RSK-1
- contaminant readings HD-SCR-2
- context sensitive help window UG-DLG-6
- contiguous polygons OP-CLP-2
- continuous bathymetric values HD-INT-4
- continuous data UG-PRT-21, OP-GRD-1,
 OP-INT-1, OP-SPL-2, OP-SCN-16,
 HD-ARA-1, HD-GRD-1, HD-INT-3,
 HD-RSK-1, HD-SCN-2
- continuous data set OP-INT-4, OP-KRG-3,
 HD-INT-6, HD-INT-7, HD-INT-8
- continuous data sets OP-FTR-2, HD-DIF-1
- continuous elevation map layer HD-INT-1
- continuous elevation surface HD-DRN-1,
 HD-INT-1, HD-INT-3
- continuous linear feature UG-DAT-5
- continuous path UG-MPW-22
- continuous surface HD-INT-1
- continuous surface data HD-INT-11
- continuous surface elevation data HD-ASP-1
- continuous surface elevation map layer
 HD-PFL-1
- continuous surface map layer OP-PRF-1
- continuous surface model OP-DRN-1
- continuously curving surface HD-ASP-1
- continuously varying data OP-KRG-5,
 HD-INT-8
- contour HD-SMT-1
- contour data OP-GRD-2, OP-INT-4,
 OP-KRG-5, HD-INT-8
- contour interval HD-CTR-3, HD-CTR-5
- contour map HD-INT-1
- contour map data HD-CTR-1
- contour map layer HD-DRN-1, HD-RDS-2,
 HD-INT-1
- contour maps UG-TRM-1, HD-CTR-1
- contouring model HD-CTR-2
- contours TR-BMP-3, TR-TIF-3, HD-CTR-7,
 HD-INT-1
- contours below sea level HD-INT-4
- contours generation from DEM HD-CTR-1
- contrast HD-SHR-7
- contrast enhancement HD-CSF-9
- contrast stretch HD-CSF-14, HD-RSK-3,
 HD-SHR-8, HD-SHR-12
- contrast stretching HD-CSF-1
- control line lengths UG-SCT-5
- conventions UG-WEL-2
- convert cell resolution to metres TR-BNA-2,
 TR-BNA-3, TR-DXF-2, TR-DXF-3,
 TR-MIF-3, TR-SHP-3, TR-UNG-3,
 TR-UNG-4
- convert data HD-OPF-17
- convert data values HD-OPF-1
- convert from percent slope to
 degrees HD-GRD-5



- convert latitude and longitude grid sizes to metres TR-UNG-2
- convert latitude and longitude to metres TR-BNA-2, TR-BNA-3, TR-DXF-2, TR-MIF-3, TR-SHP-3, TR-UNG-4
- convert to fixed point data HD-OPF-6
- converting cell resolution to Imperial HD-CTR-2
- converting Metric DEMs to Imperial HD-CTR-1
- converting percent slope to degrees HD-GRD-8
- convolution kernel HD-EDG-2, HD-SHR-1, HD-KRL-1
- convolving kernel OP-FTR-2, OP-FTR-15, OP-SCN-3, HD-EDG-2, HD-SMT-11
- coordinate overlay button UG-PRT-17
- coordinate system UG-TRM-2, UG-MAP-13, UG-PRT-6, UG-PRT-19, TR-BNA-3, TR-UNG-4
- coordinate system in the Layout window UG-PRT-15
- coordinate system matching OP-WRP-2
- coordinate system overlay UG-PRT-17
- Copy UG-TXT-10, UG-MNU-25
- copy UG-MAP-20
- copying UG-MPW-28
- Copying a geometry UG-GEO-8
- copying map layers UG-MAP-14
- corporate logos UG-PRT-27
- correcting maps OP-ROT-2
- corridor HD-BOO-5
- corrupted registration UG-INS-16
- COS(x) UG-ALG-4
- cosine UG-ALG-4
- cost map layer OP-SPD-2, OP-SPD-5
- cost network HD-CHP-5
- cost travel HD-NET-1
- COUNT UG-ALG-5, UG-ALG-6
- count HD-SCR-30
- Count function HD-OPF-9
- count occurrences OP-SCN-2, HD-SCN-1
- Cover UG-LEG-49
- Cover dialog box HD-IMD-8, HD-IMD-15
- Cover operation OP-COV-2
- coverage UG-TRM-6
- coverage file TR-UNG-2, TR-UNG-3
- covering map layers OP-OVR-5
- create a buffer HD-PNT-1, HD-SRF-1
- creating a buffer HD-PNT-3
- creating a new geometry UG-GEO-4
- creating a new map UG-MAP-17
- creating a new project UG-PRJ-12
- creating map layers UG-MAP-14, UG-DAT-16
- creating training map layers for the Classify operation HD-CLS-6
- crime rate OP-GRD-2, HD-RSK-1
- criteria search HD-CTB-2
- crop map layers OP-SUB-1
- crop to row and column range OP-SUB-2
- crop types HD-EDG-1
- crop yields OP-GRD-2, HD-RSK-1, HD-SCR-2
- crops OP-MSR-3
- Cross operation OP-CRS-1, HD-BOO-2, HD-CTB-1, HD-RSK-5
- cross sectional profile OP-PRF-1, OP-PRF-3, HD-PFL-1
- cross tabulate HD-VSD-7
- cross tabulation UG-DAT-8, OP-COM-2, OP-CRS-1, OP-CRS-3, HD-RSK-2
- cubic convolution interpolation resampling OP-WRP-3, OP-WRP-8
- cumulative costs OP-SPD-2
- cumulative flow OP-DRN-2
- custom font size UG-TXT-6
- custom installation UG-INS-14
- custom size UG-TXT-6
- customer base OP-FNC-3
- customized legends UG-LEG-3
- cut UG-TXT-10, UG-MNU-25
- Cut command UG-MNU-9
- cutting UG-MPW-27
- cutting and pasting to/from other applications UG-TXT-10
- Cyan, Magenta, and Yellow UG-LEG-25



D

damaged files UG-SCT-32
 dark colours HD-GRD-1, HD-GRD-5
 data collection dates UG-PRT-26
 data extraction OP-RCD-1
 data gaps OP-INT-1, HD-OPF-12,
 HD-PMR-1
 data manipulation UG-SCT-21, OP-OVR-3
 data matrix HD-KRL-1
 data pits HD-SMT-1
 data points HD-UNI-1
 data preparation OP-RCD-1
 data processing algorithms UG-DAT-21
 data sampling UG-DAT-20
 data spikes HD-SMT-1
 data structure errors UG-DAT-21
 data type UG-DAT-7, UG-MAP-4,
 UG-MAP-17, HD-KRL-2
 data type of the resultant
 map layer UG-ALG-6
 data type results of the
 Scan operation OP-SCN-9
 Data Units UG-MAP-4, UG-MAP-8
 data value UG-TRM-1
 data value types UG-DAT-7
 data visualization UG-DEM-2
 database UG-MAP-1, UG-MAP-17
 database application HD-SCR-36
 database applications UG-LEG-54,
 UG-LEG-59
 database organization UG-DAT-15
 dates UG-TRM-5
 deband OP-SPL-2
 decimal UG-GEO-5
 Decimal Degrees UG-GEO-5
 Decimal DMS UG-GEO-5
 decimal point UG-ALG-6
 decimal precision UG-TRM-3
 decrease the cell resolution HD-CRS-5
 default colour UG-LEG-33
 default colour sequence UG-LEG-53,
 HD-CSF-7, HD-CSF-8, HD-SHR-7
 default kernel HD-SMT-11
 default layout UG-PRT-3

default layout settings UG-PRT-1
 default legend format UG-LEG-53
 default modifiers UG-SCT-23
 default radio button UG-DLG-6
 default scanning window HD-SMT-11
 default settings for scripts UG-SCT-18
 default view UG-MAP-1
 default window size HD-SMT-4
 define transitions OP-SCN-3
 deforestation HD-CHD-1
 degradation HD-SMT-11
 degrees UG-GEO-6, HD-ASP-3
 degrees of slope OP-GRD-3
 degrees slope HD-RSK-1
 Delete UG-PRJ-19, UG-TXT-10
 delete an existing map layer UG-SCT-10
 Delete command UG-SCT-27, UG-SCT-32
 deleting map layers UG-PRJ-19
 deleting maps UG-MAP-22
 delineate boundaries for drainage HD-PFL-2
 delineate boundaries for movements
 HD-PFL-2
 DEM UG-TRM-2, OP-DRN-1, OP-FTR-2,
 OP-FTR-7, OP-FTR-8, OP-FTR-15,
 OP-GRD-1, OP-INT-4, OP-ORT-1,
 OP-ORT-2, OP-PRF-1, OP-PRF-3,
 OP-RAD-1, OP-SCN-16, OP-SPD-2,
 OP-SPD-5, OP-SPD-6, HD-ARE-1,
 HD-ARE-2, HD-ASP-1, HD-BOO-2,
 HD-BOO-3, HD-BOO-5, HD-CLS-9,
 HD-CRP-2, HD-DIF-1, HD-DIF-2,
 HD-DRN-1, HD-FRT-2, HD-GRD-1,
 HD-GRD-5, HD-GRD-6, HD-IMD-1,
 HD-IMD-2, HD-IMD-10, HD-LEN-1,
 HD-LEN-2, HD-NET-4, HD-PFL-1,
 HD-PFL-3, HD-RDS-1, HD-RSK-1,
 HD-SHR-1, HD-SHR-2, HD-SHR-3,
 HD-SHR-5, HD-SMT-3, HD-SMT-4,
 HD-SMT-5, HD-SMT-6, HD-SMT-7,
 HD-SMT-8, HD-SMT-10, HD-SRF-1,
 HD-SRF-2, HD-SRF-3, HD-SRF-5,
 HD-SRF-7, HD-SRT-1, HD-SRT-2,
 HD-SRT-6, HD-VSD-1, HD-VSD-2,
 HD-VSD-4, HD-VSD-5
 DEM boundaries HD-CTR-1
 DEM file TR-DEM-1



- DEM fixed point type TR-DEM-1
- DEM floating point data type TR-DEM-1
- DEM generation HD-CTR-1
- DEM header information TR-DEM-1
- DEM non-standard TR-DEM-1
- DEM translator TR-DEM-1
- demo version UG-INS-3
- Demo Version Only UG-INS-10
- demonstration mode UG-INS-10
- DEMs UG-DAT-21, UG-DEM-1,
UG-DEM-2, HD-IMD-1, HD-SMT-1
- Density HD-SCN-1
- density map layer OP-RDM-2
- Density modifier HD-SUB-1
- density of customers in catchment areas
HD-TSN-4
- density of customers within catchment areas
HD-TSN-6
- density of the potential customers HD-TSN-4
- density of values OP-SCN-2, OP-SCR-4
- density statistic OP-SCN-5
- descriptive text UG-MAP-3, UG-PRT-25,
TR-XYZ-1
- desktop UG-MAP-16
- desktop publishing UG-PRT-34, TR-BMP-6,
TR-TIF-7, TR-TIF-9
- desktop publishing applications UG-LEG-59
- despeckle degraded data HD-SMT-1
- Destination Directory UG-INS-9
- details OP-OVR-8
- detect boundaries HD-LNR-1
- detect diagonal features HD-LNR-1
- detect horizontal features HD-LNR-1
- detect vertical features HD-LNR-1
- detecting boundaries HD-CTR-6
- determine distance UG-TRM-3
- determine local statistics OP-SCN-3
- determine location UG-TRM-3
- determine position UG-MAP-2
- determine similarity OP-SCN-3
- determine which locations have missing data
values HD-OPF-11
- deviation HD-SCN-16
- deviation from average value HD-SCR-22
- deviation from the mean HD-SCN-1
- deviation of values OP-SCR-3
- deviation statistic OP-SCN-4
- Diagonal HD-LNR-1
- Diagonal Difference HD-DIF-2
- Diagonal Difference filter HD-LNR-2
- diagonal linkages OP-ILK-3
- diagonal trends OP-FTR-8
- diagonally adjacent sites HD-UNI-4
- dialog boxes OP-OVR-7, UG-TXT-1
- difference characterization OP-SCN-3
- Difference filters HD-DIF-2
- DiffHoriz Filter HD-CTR-6
- DiffVert Filter HD-CTR-6
- Digital Elevation Models UG-DEM-1
- digital maps TR-GIF-1
- digitizer UG-DAT-16
- digitizing contours HD-CTR-1
- digitizing errors UG-DAT-21
- direction of travel OP-SPD-9
- directional trends HD-DIF-2
- directory structure UG-PRJ-4
- dirt road UG-TRM-1
- discard UG-MAP-20
- discontinuous areas HD-UNI-5
- discontinuous data OP-KRG-5
- discontinuous data points HD-INT-8
- discontinuous surface data HD-INT-1
- discreet data OP-SPL-2, OP-SCN-16
- discrete compartments UG-DAT-21
- discrete measurements HD-SCR-1
- disk space requirements OP-SPL-3
- disk space saved by compression UG-MAP-4
- displaying more than one line of text for each
legend entry UG-LEG-9
- distance UG-DLG-4, UG-GEO-6,
OP-CLP-2, HD-PNT-3, HD-SRF-1
- distance accumulated OP-SPD-2
- distance between adjacent cells HD-SRF-4
- distance between two points UG-DAT-6
- distance from a selected cell UG-MPW-4
- distance from the origin UG-MPW-2
- distance from the spreading seed HD-SRF-8,
HD-SRT-6
- distance map layers OP-SPD-5
- distance measure UG-MAP-8
- distance measurement HD-CHP-1,
HD-NET-1



distance through a network OP-SPD-1,
OP-SPD-5
distance values HD-PNT-1, HD-SRF-1
distances UG-SCT-22, UG-SCT-25
distinguishing linear features OP-ILK-4
distortion removal OP-WRP-2
districts OP-SCR-8, HD-SCR-1
Diversity HD-SCN-1
diversity of data point values HD-SCR-25
diversity statistic OP-SCN-5
divide HD-PCC-1
divide values into groups OP-SLC-3
division UG-ALG-5
DMS (Degrees/Minutes/Seconds)
 UG-GEO-5
Doc Viewers folder UG-INS-4
document files UG-MAP-1
document icons UG-INS-19
dominant trend HD-DIF-3, HD-DIF-4
dot matrix printers UG-PRT-1
double quotes UG-SCT-19
downhill HD-SRF-7
downhill direction UG-DAT-7
Downhill restriction HD-SRF-7, HD-SRF-8
drafting packages TR-DXF-1
Drain dialog box OP-DRN-1
Drain operation OP-DRN-1, OP-DRN-2,
 HD-DRN-1
drainage HD-DRN-1, HD-GRD-2,
 HD-RSK-9
drainage analysis HD-SMT-10
drainage modelling HD-SMT-1
drainage network OP-DRN-2, OP-DRN-5,
 UG-DEM-2
drainage path OP-DRN-2
drape analysis results on a shaded relief map
 layer HD-SHR-1
drape thematic data UG-DEM-2
drawing UG-MPW-6
drawing application UG-PRT-34,
 UG-DAT-17
drawing area UG-PRT-22
drawing boundaries between catchment
 polygons HD-TSN-5
drawing colour UG-MPW-6, UG-MPW-12,
 UG-MPW-13

Drawing eXchange Format HD-UNI-3,
TR-DXF-1
drawing horizontal lines UG-MPW-19
drawing packages TR-BMP-6, TR-DXF-1,
 TR-TIF-7, TR-TIF-9
drawing size UG-PRT-11
drawing tools UG-MPW-9, UG-MPW-12
drawing value UG-MPW-7, UG-MPW-12,
 UG-MPW-13
drawing vertical lines UG-MPW-19
drawing with existing colours and values
 UG-MPW-16
drive hierarchy UG-SCT-13
duplicate map layer OP-SUB-2
DXF TR-DXF-1
DXF file TR-DXF-2
Dyadic (Logical) UG-ALG-3
Dyadic (Math) UG-ALG-3
Dyadic (Relational) UG-ALG-3
Dyadic relational operators HD-BOO-2

E

earth-water contacts HD-LNR-1
Ecotourism HD-IDC-1
edge detection OP-FTR-3, OP-FTR-6, HD-CSF-1, HD-CTR-6
edge detection filter HD-CTR-5, HD-CTR-6,
 HD-EDG-2
edge enhancement HD-CSF-4, HD-CSF-8
edge enhancement filter OP-FTR-5,
 HD-CSF-3, HD-CSF-7
edge trends HD-DIF-2
edges HD-EDG-1, HD-PFL-2
Edit Geometry command UG-MNU-13
Edit menu UG-MNU-9
edit operation statements UG-DLG-2
edit script statements with interactive dialog
 boxes UG-DLG-6
editing commands UG-MPW-33, UG-PRT-
 27
editing Comment window text UG-MAP-12
editing groups of cells UG-MPW-13



- editing script statements with the interactive dialog box UG-DLG-8
- editing single cells UG-MPW-13
- editing techniques UG-PRT-27
- electoral boundaries OP-SCR-2
- electoral zones OP-MSR-3
- electromagnetic spectrum HD-EDG-2
- elevation UG-TRM-5, UG-DAT-7,
UG-DAT-9, UG-MAP-8, UG-PRT-21,
TR-DXF-2, TR-DXF-3, OP-GRD-1,
OP-ORT-2, OP-PRF-3, OP-RAD-4,
OP-SPD-10, HD-ARA-1, HD-CTR-1,
HD-CTR-4, HD-CTR-8, HD-INT-1,
HD-PFL-1, HD-RSK-1, HD-SMT-1,
HD-SRF-1, HD-SRF-4, HD-SUB-1
- elevation change HD-RSK-1
- elevation data OP-GRD-2, OP-SPD-2
- elevation difference HD-SRF-4
- elevation increments HD-CTR-5, HD-CTR-6
- elevation related criteria HD-INT-1
- elevation variation HD-SMT-6
- elevations UG-SCT-25, HD-GRD-5
- elevations below sea level HD-INT-3
- eliminate extra pages UG-PRT-11
- EMF UG-PRT-6, UG-PRT-7, UG-PRT-34,
TR-EMF-2
- emphasize abrupt changes OP-FTR-3
- emphasize high frequency features
OP-FTR-3
- emphasize horizontal features HD-LNR-1
- emphasize low frequency features OP-FTR-2
- emphasize vertical features HD-LNR-1
- emphasizing high frequency changes
HD-CSF-1
- emphasizing low frequency changes
HD-CSF-1
- empty project UG-PRJ-9
- ending point HD-SRT-2
- ending points HD-SRT-1
- end-of-line marks UG-SCT-31
- energy intensities HD-CSF-2
- engineering HD-GRD-1
- enhance edges OP-FTR-16, HD-EDG-1
- enhance fine detail OP-FTR-3
- enhance image contrast HD-CSF-4
- enhance images HD-CSF-1
- Enhanced Metafile Format UG-PRT-34,
TR-EMF-1
- enhancement filters HD-CSF-1
- Enhancements for a NIR (Near Infrared)
SPOT Image HD-CSF-2
- enter or edit legend text UG-LEG-21
- entering text UG-TXT-3
- environmental impact assessment HD-SCN-5
- equal area grouping UG-LEG-46
- Equal Area Projections UG-TRM-2
- equal interval grouping UG-LEG-45,
OP-SLC-3
- equal sized groups OP-SLC-3
- Equator UG-TRM-3
- equidistant boundaries HD-TSN-2
- equidistant lines OP-FNC-2
- erasing UG-MPW-12
- erosion HD-IDC-1
- erroneous values UG-MPW-13
- error UG-DAT-18, UG-SCT-15, UG-SCT-30
- error correction UG-SCT-32
- error in data collection HD-OPF-12
- error messages UG-ERR-1, OP-OVR-8
- errors UG-DAT-21, UG-SCT-15,
UG-SCT-32
- errors of logic UG-DAT-21
- estimating unknown values OP-INT-4
- Euclidean distance UG-TRM-2,
UG-DAT-22, OP-SPD-1, OP-SPD-5,
OP-SPD-6, HD-PNT-3, HD-PNT-5,
HD-UNI-4
- evaporation OP-DRN-3
- exaggerates noise OP-FTR-6
- exaggerating edges and textures HD-DIF-3
- Examples OP-OVR-7
- Excel TR-SLK-1, TR-TAB-1
- executable statement UG-SCT-18
- execute UG-MAP-20, UG-SCT-15,
UG-SCT-19, UG-SCT-30
- execute command UG-SCT-30
- execute operations UG-DLG-2
- Execute Script UG-SCT-15, UG-SCT-30,
UG-MNU-25
- Execute Script command UG-MNU-17
- Execute Selection UG-SCT-15, UG-SCT-30,
UG-MNU-25



- Execute Selection command UG-MNU-17
- executing a script UG-SCT-21, UG-SCT-30, UG-SCT-32
- execution UG-MAP-27, UG-SCT-26, UG-SCT-27, UG-SCT-31, UG-SCT-32, UG-SCT-33, UG-SCT-34, HD-CRP-1
- execution cycle UG-SCT-30, UG-SCT-32, UG-SCT-33
- execution errors UG-SCT-32
- Execution Status dialog box UG-SCT-32
- execution time OP-SPL-3
- existing map layers UG-SCT-12
- Exit UG-MNU-8
- Exiting MFworks UG-INS-18
- EXP(x) UG-ALG-4
- Expand UG-MNU-11
- Expand All UG-MNU-11
- Expand to window width UG-LEG-20
- explanatory text UG-PRT-25
- explicit value extraction OP-RCD-1
- explicit value reassignment OP-RCD-1
- explicitly assign value HD-CHD-4, HD-CTR-8
- Export command UG-MAP-23, UG-SCT-26
- Export Legend UG-MAP-25
- Export Legend command UG-MNU-8, TR-TAB-1
- export legend information TR-TAB-1
- Export Map TR-BMP-5, TR-TIF-6, TR-TIF-8
- Export Map Command UG-MNU-7
- Export Map dialog box TR-BMP-5
- Export Tab Delimited Grid (Text) dialog box TR-TAB-24
- Export To MFworks command UG-MGM-3
- exporting legend information UG-SCT-10
- exporting legend text to a text file TR-TAB-27
- exporting map data UG-MAP-27, UG-MAP-22
- exporting map layers UG-SCT-10
- exporting the legend UG-LEG-57
- exporting the legend to an EMF File TR-EMF-5, TR-EMF-6
- exporting to a GIF File TR-GIF-3
- exporting to a tab delimited matrix of values TR-TAB-24
- exporting to an EMF file TR-EMF-4
- exporting to an XYZ tab delimited row/column point file TR-XYZ-8
- exporting to an XYZ tab delimited UTM point file TR-XYZ-10
- exporting to an XYZ tab delimited X/Y point file TR-XYZ-12
- exposure angle OP-RAD-4
- extract a single theme HD-UNI-1
- extract cells within coordinate range OP-SUB-1
- extract the cells HD-BOO-8
- extract values OP-RAD-4, HD-ARA-2, HD-CHD-1, HD-SRT-3
- extract zones HD-RCD-1
- extracting cells HD-CRP-1
- extreme anomalous values HD-SMT-7
- extreme values HD-CHP-2

F

- factory default HD-CSF-2
- Factory Settings UG-PRJ-21, UG-LEG-53, UG-SCT-18, HD-SHR-6
- false HD-OPF-2, HD-OPF-3, HD-OPF-5
- false colour composite TR-TIF-10, HD-CLS-7 HD-CSF-1, HD-FCC-1, HD-FCC-2, OP-MRG-1
- farm fields OP-SCR-8
- favourable characteristics OP-CRS-3
- Feature Class (Table) fields UG-MGM-5
- feature classification HD-EDG-1
- features UG-TRM-1
- Fence operation OP-FNC-1, HD-TSN-1
- Fibonacci sequence UG-LEG-39
- field data TR-XYZ-1
- File commands UG-SCT-3
- file compatibility UG-INS-19
- file header UG-MAP-27
- file management UG-SCT-25
- File menu UG-MNU-2
- file size UG-MAP-4



File Transfer Protocol TR-DEM-1
 file type UG-MAP-26, UG-MAP-27,
 UG-MAP-28
 fill in gaps HD-INT-1
 filling UG-MPW-12, UG-MPW-23
 Filter dialog box HD-CSF-3, HD-CSF-7,
 HD-DIF-1, HD-LNR-1, HD-LNR-2,
 HD-LNR-4, HD-SHR-5, HD-SMT-12
 Filter operation OP-FTR-2, OP-SCN-8,
 HD-CSF-1, HD-CSF-3, HD-CSF-7,
 HD-CTR-6, HD-KRL-1, HD-SCN-2,
 HD-SHR-2
 filter out edges HD-PFL-2
 filters HD-CSF-1, HD-LNR-1
 Find UG-MNU-25
 Find command UG-MNU-10
 fineness of a measurement UG-DAT-18
 fixed point UG-MAP-4, UG-MAP-17
 fixed point (long integer) UG-DAT-7
 fixed point data HD-OPF-6, HD-SRT-6
 fixed point data only TR-SLK-1
 flat areas HD-ASP-3, HD-BOO-4,
 HD-GRD-1, HD-GRD-6
 flat terrain HD-ASP-3
 flat-bed scanner TR-BMP-2, TR-TIF-2
 flip HD-FLP-2
 Flip operation OP-FLP-1
 FLOAT UG-ALG-6, UG-ALG-7
 FLOAT(x) UG-ALG-4
 floating point UG-MAP-4, UG-MAP-17,
 HD-OPF-1
 floating point (single precision) UG-DAT-7
 floating point data TR-SLK-1, HD-OPF-5,
 HD-SRT-6
 floating point DEM HD-DRN-1
 floating point entity UG-ALG-4
 floating point number UG-TRM-3
 floating point overflow or underflow
 UG-ALG-8
 flow of gases HD-PFL-2
 flow paths OP-DRN-3
 fluids flow OP-PRF-4
 font UG-PRT-26, UG-TXT-1, UG-TXT-4,
 UG-MAP-11
 Font command UG-MNU-20
 font library UG-MAP-15

Font option UG-LEG-12
 Font Selection dialog box UG-TXT-4
 fonts UG-MAP-14
 fonts not available UG-MAP-14
 forest clearings HD-UNI-2
 forest cover HD-ARA-2, HD-CHD-1
 forest management HD-ARA-1, HD-ARA-2
 forest patches HD-ARA-1, HD-ARA-2
 forest stands HD-UNI-1
 Format command UG-MNU-15
 format text annotation UG-PRT-26
 formatting numerical elements UG-LEG-13
 formatting options UG-PRT-26
 formatting text UG-TXT-2, UG-TXT-4
 formatting text in the Legend
 window UG-LEG-21
 formula for calculating gradient OP-GRD-3
 four characteristics associated with a zone
 UG-DAT-13
 fragmented data points OP-CLP-2,
 HD-UNI-1
 Frame areas only OP-FNC-2
 free drive space UG-WEL-5
 free space UG-SCT-32
 freehand drawing tool UG-MPW-18
 frequency changes HD-SMT-6
 FTP TR-DEM-1
 fudge UG-DAT-18
 fuel HD-SRF-1
 full colour images TR-BMP-1, TR-TIF-1
 function name UG-SCT-20, UG-ALG-2
 function parameter UG-SCT-21
 functional operators HD-PCC-1
 functions UG-ALG-1, UG-ALG-6,
 UG-SCT-1, HD-OPF-1
 Functions menu UG-SCT-6, UG-SCT-8,
 UG-SCT-20
 fundamental unit of the map layer UG-DAT-3

G

Gaussian blur HD-EDG-1
 GCP (ground control point) OP-WRP-9,
 HD-RUB-6



- genealogy UG-MAP-12, UG-SCT-33
- generalized data UG-DAT-20
- geocorrection OP-WRP-5
- geographic areas OP-SCR-2
- geographic coverage UG-PRJ-6
- geographic features UG-DAT-15
- Geographic files TR-BNA-1
- Geographic Information System UG-TRM-3, UG-DAT-2
- Geographic North UG-TRM-3, UG-DAT-14
- geographic objects TR-SHP-1
- geographic region UG-MAP-17
- geographic shape objects TR-SHP-3
- geographic shapes TR-SHP-1
- geographic space UG-DAT-2, UG-MAP-1
- geographical units HD-SCR-1
- geography UG-TRM-1
- geologic maps HD-CSF-1
- geological surveys OP-INT-1
- geologic terrain classification HD-CVT-2
- geological units OP-SCR-2
- geology HD-CLS-1, HD-CLS-4
- Geomatics Canada UG-DEM-2
- GeoMedia (Intergraph) UG-MGM-1, UG-INS-2, HD-OGM-1
- GeoMedia Connection UG-MGM-3
- geometry UG-MAP-6, UG-TRM-6, UG-PRT-16, UG-SCT-28
- Geometry Editor UG-GEO-6, UG-GEO-7, UG-GEO-8
- Geometry Editor dialog box UG-GEO-4, TR-XYZ-13
- geometry system UG-GEO-6
- geomorphology HD-CLS-1
- georectification OP-WRP-1, OP-WRP-5
- georeferencing information missing HD-OGM-2
- GIF TR-GIF-1, TR-TIF-9
- GIS UG-TRM-3, UG-DAT-2, UG-DAT-18, UG-DAT-21, UG-MAP-22, TR-BMP-6, TR-TIF-7, TR-TIF-9, HD-FLP-1
- glacial till fields HD-ARA-1
- global landforms HD-CVT-1
- Global Positioning System TR-XYZ-1, TR-XYZ-5, TR-XYZ-9, TR-XYZ-10, TR-XYZ-12, HD-INT-8
- GMparts UG-INS-2
- golf courses OP-CLP-2, HD-UNI-1
- GPS TR-XYZ-1, TR-XYZ-5, TR-XYZ-9, TR-XYZ-10, TR-XYZ-12, HD-INT-8
- gradational scale UG-PRT-21
- Grade operation OP-GRD-1, HD-GRD-4, HD-GRD-5, HD-GRD-8, HD-IDC-1, HD-RSK-1
- Gradient HD-BOO-7
- gradient HD-BOO-4, HD-GRD-6, HD-LEN-4, HD-SHR-3
- gradient map layer HD-CTB-1, HD-IDC-1
- gradients HD-GRD-2
- graduated scale UG-PRT-1
- Graphic Interchange Format TR-GIF-1
- grammar notation UG-SCT-22, UG-SCT-23
- graphic arts UG-LEG-25, UG-LEG-36, UG-TXT-8
- graphics UG-TRM-5, UG-PRT-25
- graticule UG-DAT-13
- Greek Legend UG-PRT-7, UG-PRT-23
- Greek Legend command UG-MNU-18
- Greek Map UG-PRT-7, UG-PRT-14
- Greek Map command UG-MNU-18
- Greeking the Map Element UG-PRT-14
- greyscale display range HD-EDG-3
- greyscale images TR-BMP-1, TR-TIF-1, HD-CSF-1
- greyscale output UG-PRT-1
- grid based data structure UG-TRM-4
- grid coordinates UG-PRT-18
- grid overlay UG-PRT-15
- grid-based data TR-BIN-1
- ground control points OP-WRP-9, HD-RUB-6
- ground truth HD-CVT-2
- Group By UG-LEG-44
- Group By command UG-MNU-16
- group by interval OP-SLC-1
- group colour UG-LEG-43, UG-LEG-49
- group data values OP-SLC-1
- Group Entries dialog box UG-LEG-42, UG-LEG-44
- group explicitly OP-SLC-1
- group into regular intervals HD-GRP-1
- Group Selection UG-MNU-25, UG-LEG-43



- Group Selection command UG-MNU-15
- group text UG-LEG-43, UG-LEG-49,
UG-LEG-50
- group value and colour changes UG-LEG-43
- grouped zone legend elements UG-LEG-43
- grouped zones HD-SCR-42
- grouping UG-LEG-41, UG-LEG-42,
HD-GRP-1
- grouping an arbitrary number of zones
UG-LEG-43
- grouping based on criteria UG-LEG-44
- grouping by criteria HD-GRP-1
- grouping cells OP-CLP-2
- grouping elevations HD-CTR-5
- grouping linear features OP-ILK-4
- grouping values into discreet intervals
HD-OPF-8
- high customer density HD-TSN-4
- high frequency features HD-EDG-1
- high level edge enhancement filter
HD-EDG-9
- High Pass 1 HD-EDG-2
- High Pass 2 HD-EDG-2
- High Pass filter OP-FTR-3, OP-FTR-4
- high precision UG-DAT-18
- high resolution radar imagery HD-CVT-1
- high use conditions HD-IDC-1
- highest concentration HD-SCN-8
- highest priority UG-ALG-5
- highest value HD-SCN-8
- highlight boundaries HD-LNR-1
- highlight bright areas HD-CSF-1
- highlight dark areas HD-CSF-1
- highlighting directional trends HD-DIF-2
- highlighting extreme changes in area
UG-LEG-40
- highlighting extreme changes in value
UG-LEG-39
- highways HD-PFL-2
- histogram HD-SHR-7, UG-LEG-15,
OP-SPD-9, HD-EDG-2
- Histogram Technique to Enhance a Filtered
Image HD-CSF-10
- history UG-MAP-10, UG-MAP-13,
UG-SCT-33
- Horizontal HD-LNR-1
- horizontal and vertical displacement
HD-SRT-6
- horizontal and vertical distance HD-SRF-5
- horizontal axis OP-FLP-1
- Horizontal Difference HD-DIF-2
- horizontal distance from cell to cell
HD-SRF-2, HD-SRF-5
- horizontal spread sheets in dialog boxes
UG-DLG-4
- houses HD-UNI-1
- How Do I UG-INS-5, OP-OVR-7
- how grouping works UG-LEG-42
- How VOID is Handled in an
Expression UG-ALG-7
- HSL UG-LEG-25
- HSL model UG-LEG-27
- HSV UG-LEG-27



Hue, Saturation, and Lightness UG-LEG-25
 human activity OP-PRF-4
 human error UG-DAT-18
 hydrologists HD-GRD-1
 hydrology HD-BOO-3, HD-CLS-1
 hydrology map layer TR-BMP-3, TR-TIF-3
 hyperlinks UG-INS-4

I

I-beam UG-PRT-26, UG-TXT-3
 ice classification HD-CLS-6
 icons UG-INS-19
 identify areas where uncommon combinations of geographic conditions occur OP-SCR-4
 identify lowest value automatically HD-SRT-7
 identify peaks HD-PFL-2
 identify slopes HD-PFL-4
 identify summits HD-PFL-2
 ignore match errors UG-LEG-56
 ignore match errors box TR-TAB-6
 ignore VOID HD-OPF-11
 illustration TR-BMP-6, TR-TIF-7, TR-TIF-9
 image brightness HD-FCC-2
 image contrast HD-CSF-2, HD-CSF-5, HD-CSF-7, HD-CSF-9, HD-CSF-13
 image correction routines UG-TRM-5
 image enhancement HD-EDG-4
 image enhancement filters HD-CTR-6, HD-EDG-2
 image filtering HD-CSF-1
 image interpretation HD-CSF-1, HD-EDG-1
 image pixel HD-CSF-2, HD-CSF-6
 image processing TR-BMP-6, TR-TIF-7, TR-TIF-9, HD-FLP-1
 image processing applications UG-DAT-17
 image processing filter OP-FTR-15
 image to image geocorrection OP-WRP-5
 ImageWriter UG-PRT-1
 impediments to travel HD-CHP-1
 Imperial measure UG-MAP-7
 Imperial units HD-CTR-1

Import UG-LEG-56, UG-SCT-8, HD-CRP-1
 import colour UG-LEG-56
 import colour as "(R,G,B)" 0-255 values TR-TAB-14
 import colour as 0-255 grey tone TR-TAB-18
 import colour as RGB values UG-LEG-56
 import command UG-MAP-23, UG-SCT-26, TR-BMP-2, TR-TIF-2
 import dialog box HD-IMD-2, HD-IMD-10
 Import From MFworks HD-OGM-3
 Import From MFworks command UG-MGM-4
 Import From MFworks dialog box UG-MGM-7
 Import Legend UG-MAP-25, UG-LEG-53
 import legend information TR-TAB-1
 Import Map UG-MAP-24, UG-MAP-26, TR-OVR-2, TR-BMP-2, TR-TIF-2
 Import Map command UG-MNU-6
 Import Map option HD-IMD-1, HD-IMD-10
 import text and append to zone text TR-TAB-5
 import text and replace zone text TR-TAB-10
 import text file into legend dialog box UG-LEG-55
 imported UG-MAP-10
 imported map data UG-MAP-9
 imported scan TR-BMP-3, TR-TIF-3
 importing UG-DAT-17, UG-MAP-5
 importing a BMP TR-BMP-2
 importing a GIF File TR-GIF-1
 importing a tab delimited matrix of values TR-TAB-3
 importing a TIFF TR-TIF-2
 importing an EMF file TR-EMF-2
 importing an XYZ tab delimited point file TR-XYZ-5
 importing legend information UG-SCT-10
 importing legend text UG-LEG-54
 importing map data UG-MAP-22, UG-MAP-26
 importing maps UG-DAT-16
 importing satellite imagery UG-DAT-17
 importing an EMF File TR-EMF-2
 ImportLegend command TR-TAB-6
 impression of depth HD-GRD-1, HD-GRD-5



- improve image quality OP-FTR-16
- incomplete data HD-GRD-1
- incomplete data sets HD-INT-8
- Include SDTS DEM dialog box UG-MGM-6
- increase cell resolution HD-CRS-3
- increase the amount of detail in a map layer
 - HD-CRS-4
- Incremental Area operation OP-IAR-1,
 - OP-IAR-2
- incremental cell lengths OP-ILN-2
- Incremental Frontage operation OP-IFR-1,
 - OP-IFR-2
- Incremental Length operation OP-ILN-1,
 - OP-ILN-2, OP-ILN-3, OP-ILN-4
- Incremental Linakge operation OP-ILK-1,
 - OP-ILK-2, OP-ILK-3
- incremental linkage OP-ILN-4
- incremental linkages OP-ILK-1
- Incremental Partition operation OP-IAR-1,
 - OP-IAR-2, OP-IFR-1, OP-IPR-1,
 - OP-IPR-2
- incrementing distance HD-CHP-1
- increments UG-SCT-25
- indenting lines of text UG-TXT-9
- inferred shape of a lineal condition OP-ILK-1
- inferred shape of the areal feature boundary
 - OP-IAR-1, OP-IFR-1, OP-IPR-1
- infiltration OP-DRN-2
- Inflection modifier HD-PFL-1, HD-PFL-2
- Information command UG-MNU-23
- Information fields UG-MAP-4
- information parameters UG-SCT-27
- Information window UG-MAP-3,
 - UG-MAP-4
- Information/Map UG-MNU-25
- infrared wavelengths HD-CSF-2
- input errors UG-DAT-21
- input file UG-SCT-13
- insert place holder UG-SCT-8, UG-SCT-17,
 - UG-SCT-24, UG-SCT-25
- insertion point UG-TXT-3, UG-SCT-5
- installation UG-INS-3
- installing components UG-INS-14
- installing MFworks UG-INS-1
- installing MFworks on a network UG-INS-15
- installing on the Client UG-INS-17
- Installing on the Server UG-INS-15
- Int/Inc field UG-LEG-44, UG-LEG-45,
 - UG-LEG-46, UG-LEG-47
- integer entity UG-ALG-4
- integer value UG-TRM-3
- integer values UG-ALG-6
- Intel based processors UG-DAT-2
- Intel Pentium UG-DAT-2
- intensity data OP-MRG-4
- intensity information OP-MRG-4
- interacting map layers UG-SCT-1
- interaction of map layers OP-OVR-5
- interactive UG-DLG-1, UG-DLG-2
- interactively write operation statements
 - UG-SCT-8
- Intergraph Corporation UG-INS-2
- interior of a building UG-DAT-2
- interleaved file HD-SUB-1
- intermediate map layers UG-SCT-32
- Internet TR-DEM-1, UG-DEM-2, TR-GIF-1
- interpolate OP-GRD-2, OP-KRG-2,
 - HD-AZM-2, HD-RDS-1, HD-SCN-2
- interpolate continuous bathymetric
 - data HD-INT-3
- interpolate continuous
 - data OP-INT-1, OP-KRG-2
- interpolate missing
 - values HD-SMT-14, HD-SMT-16
- Interpolate operation OP-KRG-5, HD-INT-3,
 - OP-INT-4, HD-INT-7
- interpolate operation OP-KRG-3
- interpolate unknown values HD-INT-8
- interpolated HD-SMT-2
- interpolated data UG-DAT-20, OP-FTR-16
- interpolated scanning resolution UG-DAT-17
- interpolation HD-INT-3, HD-INT-7,
 - HD-SMT-1
- interpolation algorithms HD-SMT-1
- interpretability of image data OP-FTR-1
- interpretability of the data OP-FTR-16
- intersecting map layers HD-CHD-3,
 - HD-COM-2
- intersection of data sets HD-IMD-8,
 - HD-IMD-15
- intersection of input map layers HD-SCR-35
- intersection of map layers UG-MAP-5



interval UG-TRM-1
 interval scale UG-DAT-9
 interval values UG-DAT-9
 Into Network map layer HD-SRF-1
 Into Warehouse through Connection
 HD-OGM-3
 introduce averaged values HD-SUB-1
 invert map layers OP-FLP-2
 Italic text UG-MNU-26
 items associated with the project UG-PRJ-2

K

kernel OP-FTR-2, OP-FTR-15, HD-DIF-4,
 HD-EDG-2, HD-KRL-1, HD-KRL-2,
 HD-SHR-2, HD-SHR-4, HD-SMT-6,
 HD-SMT-10
 kernels HD-SHR-2, HD-SMT-12
 key pad UG-SCT-13, UG-SCT-21
 KeyPad menu UG-SCT-6, UG-SCT-14,
 UG-SCT-25
 keywords UG-SCT-5
 kinds of data UG-DAT-7
 known values OP-INT-4
 Krige D.G. OP-KRG-3
 Krige method of Interpolation HD-INT-8,
 HD-INT-10
 Krige operation OP-KRG-2, HD-INT-7,
 HD-RDS-1
 Kriging method of interpolation OP-KRG-2

L

labels UG-TRM-5, UG-DAT-7
 land cover UG-TRM-1, OP-IPR-1
 land cover map HD-UNI-1
 land use OP-IPR-1, HD-SCR-2
 land use classes HD-RSK-2
 land use classification HD-EDG-5,
 HD-EDG-7, HD-EDG-9, HD-EDG-10
 land use map layer TR-BMP-3, TR-TIF-3,
 HD-RSK-1

land use map layers HD-SMT-15
 Landsat HD-EDG-1, OP-MRG-1,
 HD-CRS-1, HD-CSF-1, HD-FCC-1,
 HD-FCC-3
 LandSat 5 TM HD-CLS-4
 Landsat TM UG-DAT-17, TR-BIN-4,
 HD-CLS-3
 landscape UG-PRT-8
 landscape architects HD-GRD-1
 landscape designers HD-GRD-6
 landscape image UG-PRT-31
 landscape orientation UG-PRT-31
 landscape units OP-SCR-2
 Laplacian HD-EDG-2
 Laplacian filter OP-FTR-5, HD-CSF-3,
 HD-CSF-8
 large flow HD-DRN-4
 large scale UG-DAT-18
 large scale map UG-TRM-3, UG-DAT-19
 large scale vs. small scale UG-DAT-19
 largest value OP-SCN-4
 Lat/Long UG-GEO-6
 latitude UG-TRM-3
 latitude and longitude UG-GEO-1,
 UG-GEO-9, HD-EDG-1, UG-DAT-13
 latitude and longitude coordinate system
 TR-BNA-3, TR-DXF-2, TR-MIF-3,
 TR-SHP-3, TR-UNG-3, TR-UNG-4
 latitude and longitude coordinates
 TR-BNA-2, TR-BNA-3, TR-DXF-2,
 TR-DXF-3, TR-MIF-2, TR-UNG-2,
 TR-UNG-3
 latitude/longitude TR-XYZ-1
 Launch MFworks command UG-MGM-2
 layer math UG-ALG-1, HD-OPF-1
 layout composition UG-PRT-11
 Layout menu UG-PRT-7, UG-MNU-18
 layout page UG-MAP-13
 Layout window UG-MAP-13, UG-PRT-1,
 UG-PRT-2
 Layout window element hierarchy
 UG-PRT-6
 Layout window tools UG-PRT-4
 Layout/Map UG-MNU-26
 least common value HD-SCN-1, OP-SCN-2,
 HD-SCN-14, OP-SCR-3



- least common value in an area or zone
HD-SCR-20
- least number of pages UG-PRT-32
- least often occurring value OP-SCN-4
- legend UG-TRM-6, UG-MAP-13,
UG-SCT-26
- legend column option buttons UG-PRT-22
- Legend command UG-MNU-23
- legend element UG-PRT-6, UG-PRT-19,
UG-PRT-20, UG-PRT-22
- legend element format UG-PRT-20
- legend element formatting options UG-LEG-7
- legend elements UG-LEG-2, UG-LEG-11
- legend entry UG-TXT-7
- legend entry prototype area UG-LEG-4,
UG-LEG-5, UG-LEG-8
- Legend format bar format UG-LEG-15
- Legend Format dialog box UG-PRT-20,
UG-SCT-26, HD-CSF-10, HD-EDG-2
- Legend format max percent field
UG-LEG-15
- legend format shadow groups UG-LEG-15
- legend grouping HD-GRP-1
- Legend menu UG-MNU-15
- legend styles UG-PRT-20
- legend text TR-XYZ-1, HD-CHD-3
- Legend window UG-MAP-2, UG-MAP-3,
UG-MAP-4, UG-LEG-3
- Legend window elements UG-LEG-3
- Legend/Map UG-MNU-26
- length of a network HD-NET-1
- length of perimeter OP-TRC-2
- license agreement UG-INS-5
- light intensity information OP-MRG-1
- line segments UG-MPW-22
- line tool UG-MPW-9, UG-MPW-21
- lineage UG-MAP-10, UG-MAP-20
- linear characteristic, UG-DAT-4, UG-DAT-5
- linear data UG-DAT-5, HD-ARA-1
- linear feature enhancement OP-FTR-3
- linear features UG-DAT-21, OP-FTR-8,
OP-ILN-1, OP-ILK-2, OP-ILK-3,
HD-LNR-
- linear network OP-ILN-1, OP-ILK-1
- linear scale UG-DAT-8, UG-DAT-9
- linear spreading centre HD-PNT-3
- linear trends HD-DIF-1, HD-LNR-1
- lines UG-TRM-5, HD-CHP-1, HD-OPF-1,
HD-PNT-1, HD-SRF-1, HD-VSD-1
- linkages OP-ILN-4, OP-ILK-3
- List functions UG-ALG-4, HD-OPF-11
- list functions HD-OPF-1
- list of coordinates TR-UNG-1
- list of map layers UG-SCT-13
- list of numbers UG-SCT-25
- list of points TR-XYZ-1
- local average value HD-SCN-6
- local data value concentration HD-SCN-20
- local density of values HD-SCN-20
- local deviation from the mean HD-SCN-15,
HD-SCR-22
- local diversity HD-SCN-20
- local drainage HD-CHD-1
- local gradients HD-RSK-2
- local least common value HD-SCN-14
- local maximum value HD-SCN-8
- local median value HD-SCN-11
- local minimum value HD-SCN-9
- local most common value HD-SCN-12
- local neighbourhood HD-SCN-1
- local percentage HD-SCN-23
- local precipitation HD-DRN-2
- local proportion HD-SCN-23
- local statistics OP-SCN-2, HD-SCN-1
- local summary statistics OP-SCN-2
- local total HD-SCN-2
- locate anomalies OP-SCR-5
- location UG-TRM-5
- location of map layers UG-PRJ-7
- location of project files UG-PRJ-6
- location on disk UG-DAT-15, UG-MAP-4
- log x UG-ALG-4
- LOG(x) UG-ALG-4
- LOG10(x) UG-ALG-4
- logarithmic functions UG-ALG-4,
UG-ALG-6, HD-OPF-1, HD-OPF-17
- logical operators UG-ALG-3, UG-ALG-6,
UG-SCT-13
- logical order of the overlay OP-COV-3
- logos UG-PRT-25
- longitude UG-TRM-3



loss of coverage HD-AZM-2
 Lotus 1-2-3 TR-SLK-1, TR-TAB-1
 low accuracy UG-DAT-19
 low contrast HD-CSF-2, HD-CSF-6
 low contrast image HD-CSF-8, HD-SHR-6
 low contrast images HD-CSF-1
 low density of data points HD-INT-3,
 HD-INT-7
 low flow HD-DRN-4
 low frequency features HD-CSF-1
 Low Pass filter OP-FTR-2, HD-SMT-3,
 HD-KRL-2
 low precision UG-DAT-19
 low scores OP-SCR-5
 lowest concentration HD-SCN-10
 lowest cost HD-CHP-5
 lowest map layer value HD-SRT-8
 lowest slopes that face a particular direction
 HD-PFL-2
 lowest value HD-SCN-9

M

M.A.P. UG-DAT-1
 Macintosh TR-TIF-1
 Macintosh file formats UG-DAT-18
 Macintosh II UG-DAT-2
 macros UG-SCT-1
 Magellan radar imagery of Venus HD-CVT-1
 Magnetic North UG-DAT-14, UG-TRM-3
 magnification UG-MPW-10, UG-PRT-5
 maintain original values HD-SUB-1
 manipulating data OP-OVR-1
 manipulation of map layer data UG-MPW-1
 manipulation of specific values OP-OVR-7
 manual colour enhancement HD-CSF-10
 manual colour stretch HD-CSF-9
 manual contrast stretch HD-SHR-7
 Map Algebra OP-IAR-1, OP-IFR-1,
 OP-ILN-1, OP-ILK-1, OP-IPR-1
 map analysis UG-DAT-15, UG-DAT-16
 map database UG-DAT-14
 map element UG-PRT-11
 map formats UG-SCT-1

map fragments in the Layout window
 UG-PRT-25
 MAP II UG-DAT-1, UG-DAT-17
 Map Layer UG-TRM-6
 map layer UG-DAT-2, UG-DAT-9,
 UG-DAT-13, UG-MAP-3, UG-MAP-9,
 UG-MAP-10, UG-MAP-11,
 UG-MAP-15, UG-MAP-20, UG-SCT-1,
 UG-SCT-21, UG-SCT-27
 map mayer algebra HD-CTR-7
 map layer coordinates UG-DLG-4
 map layer editing OP-RCD-1
 map layer mosaicking OP-COV-2
 map layer name UG-SCT-23
 map layer overlay OP-COV-2
 map layer parameters UG-SCT-11
 map layer reference list UG-DAT-3,
 UG-DAT-15, UG-PRJ-1, UG-PRJ-6,
 UG-PRJ-8, UG-SCT-15, UG-SCT-30
 map layer reference tree UG-PRJ-18
 map layer sets UG-SCT-21
 map layer stack UG-DAT-14, HD-OPF-1
 map layers UG-DAT-15, UG-MAP-1,
 UG-MAP-5, UG-MAP-18, UG-SCT-27,
 UG-SCT-30, UG-SCT-33
 Map menu UG-MPW-2, UG-MPW-11,
 UG-MNU-11
 map names UG-ALG-2, UG-SCT-22
 map operations UG-DAT-21
 Map Origin UG-MAP-4
 Map Origin field HD-IMD-13, HD-IMD-14
 map place holder UG-PRT-7
 map projection UG-TRM-2, UG-TRM-4,
 UG-DAT-21
 Map resolution UG-DAT-12
 map resolution UG-DAT-21
 map scale UG-TRM-2, UG-DAT-19
 Map Scale dialog box UG-PRT-12
 map spectral bands OP-CLS-1
 map stack UG-DAT-15
 map standards UG-DAT-18
 Map window UG-MAP-1, UG-MAP-2,
 UG-MAP-3, UG-MAP-20, UG-MPW-1
 Map window magnification UG-MPW-10
 Map/File Names menu UG-SCT-6,
 UG-SCT-12, UG-SCT-20, UG-SCT-24



- Map•Factory UG-DAT-1
- Map•Factory 2.0 UG-INS-19
- Map•Factory Version 1.x UG-INS-19
- MapInfo file pair TR-MIF-1
- MapInfo Interchange Format TR-MIF-1
- MapMaker TR-BNA-1
- mapping packages TR-DXF-1
- maps UG-DAT-2
- maps and legend preferences UG-LEG-51
- mark UG-MPW-1, UG-MPW-18
- market analysis HD-TSN-1, HD-TSN-3
- market share HD-COM-1
- marking UG-MPW-12
- marquee UG-MPW-7, UG-MPW-27
- Mars HD-CSF-1
- mask map HD-INT-3
- mask map layer HD-CTR-8, HD-CTR-9,
 HD-INT-1, HD-INT-6, HD-INT-7,
 HD-SCN-2
- Match column 1 to zone value UG-LEG-55
- Match column 1 to zone value box TR-TAB-6
- mathematical comparison UG-DAT-8
- mathematical function HD-OPF-1,
 UG-DAT-9, UG-SCT-8
- mathematical operations UG-ALG-1
- Mathematical operators UG-ALG-3, HD-
 PCC-1, HD-CTR-7
- mathematical routines UG-SCT-1
- matrix of elevations UG-DEM-1
- matrix of values UG-DAT-4
- matrix with column values separated by a tab
 TR-TAB-2
- MAX UG-ALG-4, HD-OPF-13
- maximize map image field UG-MPW-5
- maximize sunlight HD-ASP-1
- maximum distance HD-PNT-3
- maximum distance between cells OP-CLP-2
- Maximum distance option HD-SRF-3,
 HD-SRF-6, HD-SRF-8
- maximum font size UG-TXT-6
- maximum gradient OP-GRD-2
- maximum gradients HD-GRD-8
- maximum length HD-PNT-1, HD-SRF-1
- maximum likelihood classification
 OP-CLS-1, HD-CLS-11, HD-CVT-10
- maximum number of zones UG-SCT-32
- maximum of list UG-ALG-4
- maximum of non-VOID values UG-ALG-4
- maximum output size UG-PRT-7
- maximum print width UG-PRT-23
- maximum slope OP-GRD-1
- Maximum slope option HD-GRD-7,
 HD-GRD-8
- maximum spreading distance HD-CHP-2
- maximum value HD-SCN-1, OP-SCN-2,
 OP-SCR-3, HD-OPF-11, HD-OPF-13
- maximum value in an area or zone HD-SCR-8
- maximum viewing distance OP-RAD-4
- MAXNV UG-ALG-4, UG-ALG-8,
 HD-OPF-13
- mean filter HD-SMT-11
- mean temperature UG-TRM-1
- meanders UG-MPW-22
- measure UG-MPW-1
- measure a specified distance HD-SRT-5
- measure actual flow HD-DRN-4
- measure cost instead of distance HD-CHP-1
- measure distance OP-SPD-1, HD-SRT-1
- measure distance downhill HD-SRF-4
- measure distance from a line HD-PNT-3
- measure distance from a point HD-PNT-1
- measure distance incrementally OP-SPD-2
- measure distance over a surface HD-SRF-1
- measure distance uphill HD-SRF-4
- Measure operation OP-MSR-3, OP-IAR-2
- measure the perimeter of polygons
 OP-TRC-1
- measured phenomenon UG-MAP-1
- measured quantities HD-OPF-9
- measured quantity UG-DAT-8
- measurement errors UG-DAT-5
- measuring distance HD-CHP-1
- median nearest neighbour value HD-SMT-1
- median value HD-SCN-1
- median value OP-SCN-4, OP-SCR-3,
 HD-SCN-11
- Medium (2nd order) UG-GEO-5
- medium level image enhancement
 HD-EDG-5, HD-EDG-7
- memory UG-SCT-21, UG-SCT-27
- memory overflow UG-SCT-32
- memory space UG-SCT-32



- menu bar UG-SCT-14
- menus UG-MNU-1
- merge bands HD-CSF-1
- Merge operation OP-MRG-1, OP-MRG-4,
 HD-CSF-1
- Metric distance measures UG-MAP-6
- Metric units HD-CTR-1
- MFparts UG-MAP-23
- MF Tutorial Data folder UG-INS-13
- MFguide UG-INS-4
- MFparts folder UG-INS-1, UG-MAP-18,
 OP-OVR-1, OP-OVR-2
- MFsetup.exe UG-INS-5
- MFworks commands for GeoMedia
 HD-OGM-2
- MFworks Data Warehouse UG-MGM-3
- MFworks Developer's Kit OP-OVR-2
- MFworks folder UG-INS-2
- MFworks for GeoMedia UG-INS-2,
 UG-MGM-1
- MFworks GeoMedia project UG-MGM-3
- MFworks menu UG-MGM-2
- MFworks Module Development Kit
 UG-INS-2
- MFworks program UG-INS-1
- MFworks registration dialog box UG-INS-8
- Microsoft Internet Explorer UG-INS-4
- MID TR-MIF-1
- MIF TR-MIF-1
- MIF translator TR-MIF-3
- migration pathway OP-ILN-1, OP-ILK-1
- migrations HD-PFL-2
- MIN UG-ALG-4, HD-OPF-14
- minimize area distortion UG-TRM-5
- minimize shape distortion UG-TRM-5
- minimum column width UG-PRT-23
- minimum distance HD-PNT-5
- minimum distance of one cell HD-UNI-2
- minimum font size UG-TXT-6
- minimum number of pages required
 UG-PRT-11
- minimum of list UG-ALG-4
- minimum of non-VOID values UG-ALG-4
- minimum proximity HD-TSN-1
- minimum value HD-SCN-1, OP-SCN-2,
 OP-SCN-4, HD-OPF-11, HD-OPF-14
- minimum value in an area or zone
 HD-SCR-11
- minimum value of the data points
 HD-SCR-11
- MINNV UG-ALG-4, UG-ALG-8,
 HD-OPF-14
- mirror HD-FLP-2
- mirror a map layer OP-FLP-1
- mirror horizontal HD-FLP-2
- mirror vertical HD-FLP-2
- miscellaneous functions UG-ALG-4,
 HD-OPF-9
- misclassified cells HD-SMT-2
- missing fonts UG-MAP-15
- missing parameters and modifiers
 UG-SCT-30
- missing values HD-SMT-14
- mixed data type UG-DAT-7
- mixed mode arithmetic UG-ALG-6
- mixed mode arithmetic logic UG-ALG-6
- mixels HD-CLS-9
- mixing floating point data type and integer
 data type UG-ALG-6
- mode functions UG-ALG-4, HD-OPF-1,
 HD-OPF-5
- model UG-MAP-10, UG-SCT-19,
 UG-SCT-30, HD-RSK-1
- modifier parameter UG-SCT-25
- modifier parameter place holders
 UG-SCT-17
- modifiers UG-SCT-12, UG-SCT-22,
 UG-SCT-23, UG-SCT-25, UG-SCT-31
- modify existing map layer UG-SCT-9
- module UG-TRM-6, UG-MAP-23,
 UG-SCT-24
- module development kit UG-DAT-18
- Modulus UG-ALG-5
- moisture maps HD-CTB-1
- moisture readings HD-SCR-1
- Monadic UG-ALG-3, UG-ALG-5
- money HD-SRF-1
- mosaic UG-MPW-32, TR-SLK-1,
 HD-CRP-1, HD-IMD-8, HD-IMD-15
- Mosaic modifier HD-MSC-3
- Mosaic option OP-COV-3, HD-MSC-2
- mosaic USGS DEMs HD-IMD-1



mosaicked map layers OP-SUB-1
 mosaicking OP-COV-3, HD-IMD-1
 HD-IMD-9, HD-MSC-3
 mosaicking airphotos HD-RUB-1
 most common nearest neighbour value
 HD-SMT-2
 most common value HD-SCN-1, OP-SCN-2,
 OP-SCR-3, HD-SMT-18, HD-SMT-19
 most common value in an area or zone
 HD-SCR-17
 most occurring value option HD-SUB-1
 most often occurring value OP-SCN-4
 mouse tracking (speed) UG-MPW-19
 Move Backward UG-PRT-6, UG-PRT-7
 Move Backward command UG-MNU-19
 Move commands UG-PRT-27
 Move Forward UG-PRT-6
 Move Forward command UG-MNU-19
 Move To Back UG-PRT-6, UG-PRT-7
 Move to Back command UG-MNU-19
 Move To Front UG-PRT-6, UG-PRT-7
 Move To Front command UG-MNU-19
 movement costs HD-CHP-1
 movement of projects and map layers
 UG-PRJ-8
 moving a range of zone values UG-LEG-41
 moving and resizing Legend elements
 UG-LEG-8
 moving legend elements UG-LEG-8
 mud slides HD-RSK-2
 multi-band classification HD-CVT-1
 multi-channel remote sensing imagery
 OP-MRG-1
 multi-column mode UG-PRT-23
 multi-radar band image classification
 HD-CVT-8
 multi-spectral data classification OP-CLS-1,
 HD-CLS-1
 multi-spectral data set HD-CVT-1
 multi-spectral image HD-CLS-9
 multi-spectral image classification
 HD-CLS-4
 multi-spectral satellite imagery HD-CLS-1
 multi-thematic images HD-CVT-10
 multi-variate data classification OP-CLS-1
 multi-variate data classification HD-CLS-1

multi-variate data set HD-CVT-1
 multi-variate statistical analysis HD-CLS-5
 multiple channel data OP-MRG-1
 multiple channel intensity data HD-FCC-1
 multiple channel light intensity OP-MRG-4
 multiple coincidences HD-CTB-1
 multiple colour sequences HD-SHR-7
 multiple contrast enhancements HD-CSF-1
 multiple criteria selection HD-OPF-2
 multiple data sources UG-DAT-21
 multiple functions UG-ALG-2
 multiple map layers HD-OPF-1
 multiple segment lines TR-UNG-1
 multiple segments UG-MPW-22
 multiple source maps UG-DAT-21
 multiple sources UG-DAT-21
 multiplication UG-ALG-,5 UG-ALG-5
 multiplication and division UG-DAT-9
 multiply HD-PCC-1
 multi-sample-per-pixel data sources
 OP-SPL-3
 multi-thematic map layer HD-UNI-1
 mutually exclusive options UG-DLG-6

N

nadir UG-TRM-4
 NASA UG-DAT-17, HD-CLS-3, HD-CVT-1
 National Aeronautics and Space
 Administration UG-DAT-17, HD-CVT-1
 National Mapping Program UG-DEM-2
 National Oceanic and Atmospheric
 Administration UG-DEM-2
 Natural Resources Canada UG-DEM-2
 Near Infrared HD-CSF-2
 nearest neighbour HD-SMT-19
 nearest neighbour averaging HD-SMT-1
 nearest neighbour cells HD-SMT-16
 nearest neighbour interpolation
 HD-SMT-14, HD-SMT-16
 nearest neighbour resampling OP-WRP-2,
 OP-WRP-6
 nearest neighbours HD-SMT-18
 neatline UG-PRT-18



neighbourhood HD-SCN-1
neighbourhood comparison OP-SCN-3
neighbourhood operations OP-OVR-5
neighbourhood uniformity OP-SCN-3
neighbourhoods OP-SCR-8, HD-SCN-2,
 HD-SCR-1
network installation UG-INS-15
network map layer OP-SPD-3, OP-SPD-9
New command UG-MNU-4
new drawing value UG-MPW-16
new map UG-MAP-17
New Map command HD-SMT-2,
 UG-MAP-17
New Map dialog box UG-MAP-17,
 HD-KRL-2
new map layers UG-SCT-12
new project UG-PRJ-12
New Project command UG-MNU-4
new script UG-ALG-1, UG-SCT-2,
 UG-MNU-26, HD-SMT-19
New Script command UG-MNU-22
NIR HD-CSF-2
NOAA UG-DEM-2
noise HD-EDG-11
noise removal OP-FTR-1
noisy image HD-SMT-11
nominal UG-TRM-1
nominal data HD-SMT-16, UG-LEG-18,
 UG-LEG-20
nominal values UG-DAT-7
non-analytical procedures OP-OVR-7
non-contiguous sites HD-UNI-2
non-continuous data HD-INT-1
non-contour cells HD-CTR-8
non-data values HD-PMR-1
non-linear interpolation algorithm
 HD-RDS-1
non-Macintosh file formats UG-DAT-18
non-MFworks data format UG-SCT-26
non-MFworks formatted data UG-SCT-1
non-PC file formats UG-DAT-18
non-printable page area UG-PRT-10
non-spatial components UG-DAT-7
non-VOID OP-COV-2
non-VOID data values OP-RDM-1
non-VOID list functions HD-OPF-11

north arrow UG-MAP-13, UG-PRT-1,
 UG-PRT-6
north arrow orientation UG-PRT-25
north arrow types UG-PRT-24
NOT UG-ALG-6
NOT operator HD-OPF-2
number UG-SCT-25
number format decimal places UG-LEG-14
Number Format dialog box UG-LEG-13,
 UG-LEG-18, UG-LEG-19
number format prefix UG-LEG-13
number format scientific notation
 UG-LEG-14
number format separator UG-LEG-13
number format suffix UG-LEG-13
number format thousands separator UG-
 LEG-14
number lists UG-SCT-23
number of cells UG-DAT-13, UG-MAP-4
number ranges UG-SCT-23
number size UG-MAP-27
numbers UG-SCT-19, UG-SCT-22
numeric display UG-MPW-3
numeric magnifying glass UG-MPW-8
numerical data UG-DAT-13
numerical legend elements UG-LEG-11
numerical manipulation UG-SCT-1
numerical precision UG-DLG-4
numerical separators UG-SCT-19

O

obstruct the view HD-VSD-1
obstruction information OP-RAD-4
obstruction map OP-RAD-2
obstruction map layer HD-VSD-1
offset lithography UG-LEG-25, UG-LEG-27
On Line Help folder UG-INS-4
one common cell OP-COV-3
opacity UG-PRT-28
opacity button UG-PRT-30
opaque background UG-PRT-30
open UG-MNU-26, UG-PRJ-19
Open command UG-MNU-4



- Open dialog box UG-MAP-15, UG-SCT-13, UG-SCT-14, TR-TIF-2
- Open File dialog box UG-MAP-26
- open legend with map UG-LEG-52
- open polygons UG-MPW-21
- Open Project command UG-MNU-4
- Open Project dialog box UG-PRJ-11
- open select UG-MNU-26
- open selected UG-PRJ-19
- Open Selected command UG-MNU-4
- opening an existing project UG-PRJ-11
- opening map layers UG-PRJ-19, UG-MAP-14
- operating system UG-SCT-25
- operation UG-TRM-6, UG-MAP-11, UG-MAP-20, UG-SCT-13, UG-SCT-22, UG-SCT-27, UG-SCT-31, UG-SCT-33, HD-CSF-4
- operation and modifier menus UG-SCT-24
- operation dialog box interface UG-DLG-1, UG-DLG-2
- operation dialog boxes UG-DLG-2, UG-DLG-3, UG-SCT-2, UG-SCT-8, OP-OVR-4
- operation documentation OP-OVR-7
- Operation menu HD-CSF-3
- operation modifier UG-SCT-7
- operation modules UG-INS-1, UG-SCT-24, OP-OVR-1, OP-OVR-2
- operation name UG-SCT-7
- operation names UG-DLG-1, UG-SCT-24, UG-SCT-30
- operation parameter place holders UG-SCT-17
- operation parameters UG-DLG-4, UG-DLG-6, UG-SCT-7
- operation statement UG-DLG-2, UG-ALG-11, UG-MAP-10, UG-SCT-18, UG-SCT-32
- operational routines UG-SCT-1
- operations UG-MAP-18, UG-SCT-6, UG-SCT-8, UG-SCT-24, UG-SCT-25
- Operations menu UG-MAP-15, UG-SCT-6, UG-SCT-8, UG-SCT-24, UG-SCT-25, UG-MNU-24
- operators UG-ALG-2, UG-ALG-6, HD-BOO-7, HD-OPF-1
- Operators menu UG-SCT-6, UG-SCT-13, UG-SCT-20, UG-SCT-21
- optimal route HD-CHP-5
- optimizing PostScript files UG-PRT-34
- optional modifiers UG-SCT-23
- OR UG-ALG-6
- OR operator HD-OPF-2
- order of operations UG-ALG-5, HD-PCC-1
- ordinal UG-TRM-1
- ordinal data HD-SMT-14, OP-SCR-3
- ordinal values UG-DAT-8
- organization system UG-DAT-16
- organizational facility UG-PRJ-16
- organizing map layers UG-PRJ-9
- Orient operation OP-ORT-2
- orientation UG-PRT-31, UG-MAP-9, OP-ORT-2, HD-AZM-1, HD-AZM-3, HD-FLP-3, HD-GRD-8
- orientation of the page to be printed UG-PRT-8
- orientation of the printable area UG-PRT-4
- origin UG-DAT-9, UG-MAP-1, UG-MAP-5, UG-MAP-17, OP-RDM-1, HD-AZM-3
- origin bottom left OP-FLP-1
- origin bottom right OP-FLP-1
- origin repositioning OP-FLP-1
- original zone HD-CSF-4
- orthorectification OP-WRP-5, HD-RUB-1
- Other command UG-MNU-21
- other GIS programs UG-DAT-17
- Out Of Network map layer HD-SRF-1
- outline and fill regular and irregular shaped areas UG-MPW-22
- outline boundaries HD-EDG-1
- output devices UG-WEL-5
- output file UG-SCT-13
- Output File option UG-SCT-20
- Output Precision OP-KRG-2
- output scale UG-PRT-31
- output scale of the map element UG-PRT-3
- output size UG-PRT-7, UG-PRT-9, UG-PRT-11
- Output Size command UG-MNU-20



Output Size dialog box UG-PRT-9,
 UG-PRT-10
 output file UG-SCT-13
 overflow coordinate range UG-DAT-17
 overland flow OP-DRN-2
 overlap UG-DAT-10, UG-MAP-5,
 OP-COV-1
 Overlap modifier OP-SCR-4
 overlapping areal coverage UG-DAT-14
 overlapping geographical area UG-DAT-15
 overlay UG-DAT-8, HD-CRP-2
 overlay land use information HD-SHR-7
 overlay map layers HD-COM-2, HD-MSC-2
 overlay math UG-ALG-1
 overlay operations OP-OVR-5
 override the priority system by using brackets
 UG-ALG-5

P

page break indicators UG-PRT-3
 page orientation UG-PRT-31
 page setup UG-PRT-30
 page setup button UG-PRT-30
 Page Setup command UG-MNU-8
 Page Setup dialog box UG-PRT-1,
 UG-PRT-3, UG-PRT-4, UG-PRT-8,
 UG-PRT-30, UG-PRT-33
 Paint Can tool UG-MPW-10, UG-MPW-23
 painting application UG-PRT-34
 palettes colour images TR-BMP-1, TR-TIF-1
 panchromatic satellite images HD-CLS-9
 paper maps UG-DAT-16
 paper size UG-PRT-31
 parallax UG-TRM-4, UG-DAT-21
 parameter UG-SCT-25
 parameter names UG-SCT-30
 parameter place holders UG-SCT-7
 parameter types UG-SCT-22
 parameters UG-SCT-12, UG-SCT-15,
 UG-SCT-22, UG-SCT-31, UG-SCT-32
 parcel UG-DAT-3, UG-DAT-11,
 UG-DAT-12
 parcels UG-DAT-4

parcels of land HD-VSD-1
 paste UG-TXT-10, UG-MNU-26
 Paste command UG-MNU-9
 paste text UG-TXT-3
 Paste To New Map command UG-MPW-32,
 UG-MNU-9, UG-GEO-10
 pasting UG-MPW-28
 path name UG-SCT-12, UG-SCT-13
 path through colour space UG-LEG-36
 path type UG-LEG-40
 PC file formats UG-DAT-18
 PDF UG-INS-4
 peaks OP-PRF-4, HD-PFL-2
 pedologic units HD-CSF-1
 Pencil tool UG-MPW-9, UG-MPW-19,
 HD-KRL-3
 percent change HD-PCC-2
 percent composition OP-MSR-3
 percent element UG-LEG-19
 percent slope HD-GRD-8, HD-IDC-1
 percentage HD-SCN-1
 percentage element UG-LEG-3
 percentage of sample sites HD-SCR-31
 percentage of self similar cell values
 OP-SCR-4
 percentage population HD-SCR-31
 perception HD-CSF-1
 perimeter HD-PMR-2
 perimeter calculation accuracy OP-IFR-2
 perimeter length OP-IFR-1
 perimeter length for polygon boundary cells
 OP-IFR-2
 perimeter of input zones OP-TRC-2
 perimeter of polygons OP-TRC-1
 permitted directions OP-SPD-3
 personalize MFworks UG-INS-10,
 UG-INS-15
 petrographic slide OP-MSR-3
 picture annotation UG-PRT-25
 pipeline OP-ILN-1, OP-ILK-1
 pivot point OP-ROT-2, HD-AZM-1
 pixel interleaved images OP-SPL-3
 pixel interleaved remote sensing data
 OP-SPL-3
 pixel size TR-BIN-1
 place holders UG-SCT-8, UG-SCT-17



- plain text UG-MNU-26
- planning HD-ASP-1, HD-CLS-1
- planning routes HD-PFL-2
- plug-in modules UG-INS-1
- plug-ins UG-MAP-24, UG-SCT-21
- point characteristics UG-DAT-4, UG-DAT-5
- point data UG-DAT-6, OP-GRD-2,
 OP-MSR-3, HD-ARA-1
- point data map layers HD-INT-3
- point source elevation data HD-DRN-1
- points UG-TRM-5, HD-CHP-1, HD-PNT-1,
 HD-SRF-1, HD-VSD-1
- points of reference UG-TRM-1
- political entities OP-SCR-8, HD-SCR-1
- political units OP-SCR-2
- pollutant concentration UG-DAT-7
- poly modal distribution HD-EDG-3
- polygon HD-PMR-4, HD-UNI-5
- polygon data OP-CLP-2
- polygon frames HD-TSN-5
- polygon tool UG-MPW-21, UG-MPW-22
- polygons TR-UNG-1, OP-TRC-2,
 HD-CHP-1, HD-PMR-1, HD-PNT-1,
 HD-SRF-1, HD-VSD-1
- ponding OP-DRN-2
- population data HD-SCN-2
- population density UG-TRM-1, OP-FNC-3,
 OP-GRD-1, OP-GRD-2, OP-KRG-5,
 HD-INT-8, HD-RSK-1, HD-TSN-3
- population density by catchment map layer
 HD-TSN-3
- portrait UG-PRT-8
- portrait image UG-PRT-31
- position of the printable area UG-PRT-4
- positional accuracy UG-DAT-20
- positional imprecision UG-DAT-21
- possible combinations HD-SCR-35
- possible combinations of values OP-COM-2
- postal code zones OP-MSR-3, OP-SCR-2
- PostScript file UG-PRT-33, UG-PRT-34
- PostScript Printer Description (PPD) file
 UG-PRT-34
- PostScript printer driver UG-PRT-34
- PostScript printers UG-PRT-1
- potential OP-DRN-3
- potential flows OP-DRN-3
- potential fluid flow HD-DRN-4
- power lines HD-LNR-1
- Power PC UG-DAT-2
- Power/Exponent UG-ALG-5
- PPD UG-PRT-34
- PREC(x,y) UG-ALG-4
- precipitation OP-DRN-1, OP-GRD-1
- precipitation constant value HD-DRN-1
- precipitation data HD-DRN-1
- precipitation depth OP-GRD-2
- precipitation map layer HD-DRN-1,
 HD-DRN-3
- precipitation value OP-DRN-1
- precipitation values negative HD-DRN-1
- precise UG-DAT-18
- precision UG-DAT-18, UG-ALG-4,
 HD-INT-4, HD-OPF-1
- precision of floating point map layers
 HD-OPF-1
- precision of the distance measurement
 UG-DAT-6
- predict locations HD-SCN-20
- predict paths HD-PFL-2
- prediction OP-DRN-2
- preferences UG-PRJ-20, UG-SCT-16
- Preferences command UG-MNU-8
- Preferences dialog box UG-PRJ-21,
 UG-LEG-52, UG-SCT-16
- preparing map layers OP-OVR-1
- preserve the viewing points for Radiate
 operation HD-SUB-1
- print UG-MNU-26
- print button UG-PRT-32, UG-PRT-34
- Print command UG-PRT-1, UG-PRT-32,
 UG-MNU-8
- Print dialog box UG-PRT-32
- print disabled UG-INS-10
- printable area UG-PRT-4
- printable image area UG-PRT-11
- printed maps UG-DAT-16
- Printer dialog box UG-PRT-33
- printer driver software UG-PRT-1,
 UG-PRT-30
- printing UG-PRT-1, UG-PRT-30,
 UG-MAP-13, OP-RSP-1
- printing comments UG-PRT-1



printing scripts UG-PRT-1
 printing the legend element UG-PRT-1
 printing to a PostScript file UG-PRT-34
 priority logic UG-ALG-5
 priority system UG-ALG-5
 productivity HD-SCN-2
 profile HD-PFL-2
 Profile dialog box HD-PFL-1, HD-PFL-2
 profile index HD-PFL-1
 profile of a surface HD-PFL-1
 Profile operation OP-PRF-3
 profile shape OP-PRF-3
 program movement UG-INS-16
 project UG-TRM-7, UG-MNU-26,
 UG-DAT-2, UG-SCT-1, UG-SCT-3,
 UG-SCT-12, UG-SCT-13, UG-SCT-20,
 UG-SCT-30, UG-SCT-31
 Project command UG-MNU-22
 project file UG-DAT-15, UG-PRJ-2,
 UG-PRJ-12
 project folder UG-PRJ-6
 Project menu UG-PRJ-3, UG-PRJ-18,
 UG-MNU-10
 project preferences UG-PRJ-20, UG-PRJ-21
 Project window UG-MAP-15, UG-MAP-16,
 UG-PRJ-2, UG-PRJ-3, UG-PRJ-6,
 UG-PRJ-8, UG-PRJ-11, UG-PRJ-12,
 UG-PRJ-16, UG-PRJ-17, UG-PRJ-18,
 UG-PRJ-19, UG-PRJ-20
 Project window commands UG-PRJ-19
 projection UG-DAT-21
 property boundaries HD-LNR-1
 property maps UG-TRM-1
 proportion HD-SCN-1
 proportion of each value in an area or zone
 HD-SCR-31
 proportion of visible clear cuts to the total
 viewshed HD-VSD-5
 proportion value HD-SCR-36
 proportional colour sequences UG-LEG-43
 proportional statistic OP-SCN-5
 proposed locations HD-VSD-2
 proximity HD-SCN-2, HD-SCN-17,
 HD-SCN-20, HD-SCN-23
 proximity of potential customers HD-TSN-1

pseudo shaded relief map layer OP-FTR-7,
 OP-FTR-8
 publication date UG-PRT-26
 punctual data UG-DAT-21

Q

queries HD-BOO-2
 querying multiple map layers HD-BOO-2
 QuickTour UG-INS-1
 Quit command UG-MNU-8

R

radar emissivity HD-CVT-2
 radar imagery HD-CLS-4
 radar mapping HD-CVT-1
 radar reflectivity HD-CVT-2
 RADARSAT OP-SPL-3, HD-CLS-4,
 HD-EDG-1
 radial distance HD-PNT-1, HD-SRF-1,
 HD-SRF-4, HD-SRT-6
 radial neighbourhood OP-SCN-7
 Radiate operation OP-RAD-1, OP-RAD-4,
 HD-SUB-1
 radiated HD-CSF-2
 radius HD-SRF-1, HD-SRF-4
 railway designers HD-GRD-1, HD-GRD-6
 railways HD-PFL-2
 rain OP-DRN-2
 rain gauge stations OP-FNC-2, HD-UNI-1
 rainfall gauging station data HD-DRN-2
 RAM UG-WEL-4, UG-PRJ-2, UG-PRJ-15,
 UG-SCT-21
 random drawing colour UG-MPW-16
 Random operation OP-KRG-3, OP-RDM-1
 random points OP-INT-1
 randomly sampled non-VOID cells
 OP-RDM-2
 randomly select points HD-RDS-2
 range UG-SCT-25
 Range modifier UG-SCT-29



- range of values UG-DLG-4
- range of zone values UG-SCT-29
- range/number lists UG-SCT-23
- rank misassigned HD-SMT-1
- ranked values UG-DAT-8
- rapid change OP-GRD-2
- rapid changes in values HD-EDG-1
- rapid elevation change HD-RSK-1
- rapid value changes HD-DIF-1
- rapids HD-NET-1
- raster UG-TRM-4
- raster based data UG-LEG-1
- raster based GIS UG-DAT-4, UG-DAT-5, UG-DAT-21, UG-MAP-1, OP-RAD-4
- raster based GIS operations UG-DAT-17
- raster data characteristics UG-DAT-4
- raster data structure UG-DAT-6, HD-LNR-1
- raster form UG-DEM-1
- Raster GIS OP-SCR-2, HD-EDG-1, HD-SCR-1, UG-TRM-4, UG-DAT-15, OP-RCD-1, OP-SCN-7, HD-CTR-1
- raster grid HD-EDG-1
- raster images TR-TIF-1
- raster map UG-DAT-4, UG-TRM-2
- raster map files TR-BIN-1
- rasterization HD-UNI-3
- rasterize UG-DAT-16, TR-DXF-2
- rasterize Shape files TR-SHP-1
- rasterize the picture elements TR-EMF-1
- rate of change of slope HD-IDC-1
- rating combinations of themes HD-CTB-1
- ratio UG-DAT-9, UG-TRM-1, UG-DLG-4
- ratio data UG-DAT-9
- ratio measurement UG-DAT-9
- ratio scale UG-PRT-25
- ratio values UG-DAT-9
- ratios UG-SCT-25
- raw binary data TR-BIN-1
- raw binary raster map data TR-BIN-1
- Raw Binary translator TR-BIN-1, OP-SPL-3
- real world UG-TRM-4, UG-DAT-4, UG-DAT-11
- real world distance UG-MAP-6
- real world parcel HD-SHR-1
- real world space UG-DAT-3, UG-MAP-6
- real-world coordinate system TR-XYZ-1
- reassign values HD-RCD-1
- recode UG-LEG-49
- Recode operation OP-RCD-1
- recoding operation OP-CRS-3
- reconciliation of map layers OP-WRP-5
- reconstructing a script UG-MAP-13
- record UG-MAP-13
- recursive history UG-SCT-33
- red light HD-CSF-6
- Red, Green, and Blue UG-LEG-25
- Redo UG-TXT-10
- Redraw UG-MPW-12
- reduce amount of time for Krige operation HD-RDS-1
- reduce cell resolution of map layer without averaging values HD-SUB-1
- reduce data noise OP-FTR-2
- reduce number of points HD-RDS-1
- reduce size of elevation map layers HD-SUB-1
- reduce size of map layer OP-SPL-2
- reference list UG-PRJ-6
- reference map layer HD-RUB-1
- referenced map layers UG-SCT-15
- referencing system TR-DXF-2, TR-DXF-3, TR-MIF-2, TR-UNG-2, TR-UNG-3
- referencing with unique value OP-CLP-2
- reflectance curve HD-EDG-3
- reflected HD-CSF-2
- regional map UG-DAT-18
- regional slopes HD-PFL-4
- regional statistics OP-SCR-2
- regions HD-SCN-2
- register cell UG-MNU-26
- Register Cell command UG-MNU-14
- register cell method UG-GEO-5, UG-GEO-8
- register maps OP-ROT-2
- Registering cells to the geometry UG-GEO-5, UG-GEO-7
- Registering MFworks UG-INS-6
- registering MFworks on a network UG-INS-15
- registration UG-MAP-5
- Registration dialog box UG-INS-6
- registry corruption UG-INS-16
- regular intervals OP-SPL-1



- relational UG-ALG-5
- relational expression UG-ALG-7
- relational operators UG-ALG-3, UG-ALG-6, UG-ALG-7, HD-OPF-1, HD-OPF-2, HD-OPF-3, HD-PCC-1, HD-SRT-8
- relationship of angles HD-OPF-1, HD-OPF-17
- relative abundance UG-LEG-19
- relative address UG-PRJ-6, UG-PRJ-7, UG-PRJ-8
- relative addressing UG-PRJ-4, UG-PRJ-5, UG-PRJ-7
- relative locations UG-PRJ-8
- relative origin UG-SCT-28, HD-IMD-13, HD-IMD-15, HD-MSC-3
- relative position UG-DAT-9
- relative reference UG-PRJ-8
- relative search paths UG-SCT-12, UG-SCT-19, UG-SCT-20
- relative stacking order UG-PRT-7
- reliability of data UG-DAT-20
- remote sensing TR-GIF-2, HD-CSF-5, HD-FLP-1
- remote sensing data TR-TIF-5, HD-SMT-15
- remote sensing image HD-SMT-2, HD-SMT-11
- remote sensing image classification HD-CLS-2, HD-CVT-1
- remote sensing image processing HD-SMT-11, HD-SMT-12
- remote sensing imagery OP-MRG-4, OP-FTR-7, OP-FTR-8, OP-INT-1, HD-CSF-1, HD-FCC-1, HD-SMT-1, HD-SMT-15, HD-SMT-16
- remote sensing imagery distortion OP-WRP-2
- remote sensing imagery with gaps HD-INT-1
- remote sensing images with data gaps HD-INT-8
- remote sensing platforms OP-MRG-4
- remove a specified number of columns HD-SUB-1
- remove a specified number of rows HD-SUB-1
- remove anomalies OP-FTR-16, OP-SCN-3, HD-SMT-16
- remove anomalous values HD-SMT-14
- remove horizontal features HD-LNR-1
- remove horizontal lines HD-LNR-3
- Remove Map command UG-MNU-10
- remove pages from the Layout UG-PRT-10
- remove vertical features HD-LNR-1
- remove vertical lines HD-LNR-3
- removing map layers UG-PRJ-18
- removing pages from the layout UG-PRT-7
- renaming copies of existing map layers HD-CRP-1
- replace UG-MNU-27
- Replace command UG-MNU-10
- replacing legend text TR-TAB-9, TR-TAB-11
- reporting results UG-SCT-30
- reproducing colours properly UG-PRT-33
- required modifiers UG-SCT-23
- re-registering MFworks UG-INS-7
- re-registering MFworks with a new serial number UG-INS-7
- rescale data HD-OPF-17
- rescale data values HD-OPF-1
- rescaling the map element UG-PRT-11
- reserved characters UG-SCT-19
- resize handles UG-PRT-11, UG-PRT-22
- resizing legend elements UG-LEG-8
- resizing the map element UG-PRT-12
- resolution UG-DAT-21, UG-SCT-30
- resolve TR-SLK-1
- resource development OP-RAD-4
- resource extraction OP-RAD-4
- resource management HD-CLS-1
- Respace dialog box HD-CRS-3
- Respace operation OP-RSP-1, OP-RSP-3, OP-SPL-2, HD-CRS-4, HD-SUB-1
- restoring original colours UG-LEG-49
- restoring original text UG-LEG-49
- restoring original values UG-LEG-49
- restrict direction of spread OP-SPD-3
- restricting interpolation OP-KRG-2, HD-INT-5
- revert UG-MAP-21, UG-MAP-22
- Revert command UG-MNU-5
- reverting map layers UG-MAP-21
- RGB UG-LEG-25, UG-SCT-11, UG-SCT-29



RGB model UG-LEG-25
 RGB Space UG-TRM-7
 ridge and channel data OP-INT-4
 ridge and channel information HD-INT-3,
 HD-INT-7
 ridge and channel map layers OP-PRF-4,
 HD-PFL-2
 ridge and swale terrain OP-PRF-4, HD-PFL-2
 ridges HD-PFL-2
 rise over run HD-BOO-5
 river network UG-MPW-22, OP-ILN-1,
 OP-ILK-1
 river system HD-NET-1
 rivers UG-MPW-18
 RMS (root mean square) slope HD-CVT-2
 road maps UG-TRM-1
 road network HD-SCN-2, OP-ILN-1,
 OP-ILK-1
 rock outcrops UG-MPW-18, HD-ARA-1
 rock type HD-EDG-1, OP-MSR-3
 root mean square (RMS) slope HD-CVT-2
 rotate HD-CRP-1
 rotate map layers OP-ROT-1
 Rotate operation OP-ROT-2
 rotated map layers OP-SUB-1, HD-PMR-1
 rotation OP-ROT-2
 rotational axis UG-TRM-3
 roving window OP-OVR-6, OP-SCN-2,
 HD-CTR-9, HD-KRL-1, HD-SCN-1,
 HD-SHR-2
 row and column UG-MAP-17
 row and column coordinate system
 UG-GEO-3
 row and column coordinates UG-DAT-9,
 HD-AZM-1
 row and column fields TR-TAB-2
 row and column number UG-MPW-2
 row and column position TR-SLK-2,
 UG-MAP-4
 row and column ranges HD-CRP-2
 row/column UG-GEO-10
 row/column coordinates TR-XYZ-1
 rows and columns UG-DAT-10, UG-MAP-4,
 UG-SCT-25, OP-SPL-1, HD-AZM-3,
 HD-KRL-2
 rubbersheet transformation OP-WRP-5

rubbersheeting OP-WRP-1, OP-WRP-5
 Ruler Coordinates UG-GEO-6, UG-GEO-8,
 UG-GEO-9
 Ruler Coordinates command UG-MNU-14
 rulers UG-MPW-2, UG-GEO-9
 rules for operations UG-SCT-22
 rural-urban fringe HD-EDG-2

S

sales territories HD-COM-2
 sample a continuous data set OP-RDM-2
 Sample operation OP-SPL-1, OP-SPL-2, OP-SPL-3, HD-SUB-1
 sampling data from map layers OP-RDM-1
 sampling rate OP-SPL-1, OP-SPL-2
 Sans-serif faces UG-TXT-5
 satellite data OP-FLP-1
 satellite data distributors HD-CLS-4
 satellite image HD-ARA-1, HD-SMT-11
 satellite imagery UG-DAT-21, OP-FTR-2,
 HD-CSF-1
 satellite images UG-TRM-5, UG-DAT-16
 save UG-MAP-20, UG-MAP-21,
 UG-MNU-27
 save a new map layer UG-SCT-10
 save as UG-MAP-20, UG-PRJ-15
 Save As command UG-MNU-5
 save automatically UG-PRJ-21
 Save Changes dialog box UG-MAP-20,
 UG-MAP-21
 Save command UG-SCT-20, UG-SCT-26,
 UG-SCT-27, UG-SCT-31, UG-SCT-32,
 UG-SCT-34, UG-MNU-5
 Save dialog box UG-SCT-13, UG-MAP-20,
 UG-MAP-21, TR-TIF-6,
 TR-TIF-8, TR-TIF-13
 save disabled UG-INS-10
 Save Project As command UG-MNU-5
 Save Project command UG-MNU-5
 saving a map layer UG-SCT-25
 saving a project UG-PRJ-14
 saving map layers UG-SCT-25, UG-MAP-20
 saving map layers to disk UG-SCT-26



- scale UG-DAT-21, UG-MAP-13, UG-PRT-6
- scale button UG-PRT-25
- scale indicator UG-PRT-11
- scale map layer for printing HD-CRS-1
- scale of output UG-PRT-1
- scale of the map element UG-PRT-12
- scale ratio UG-PRT-12
- scale variation UG-TRM-4, UG-DAT-21
- scaling factors HD-CRS-6
- Scan (Average) OP-SCN-11, HD-INT-7
- Scan (Average) operation HD-SCR-7
- Scan (Density) OP-SCN-15
- Scan (Density) operation HD-SCR-22
- Scan (Deviation) OP-SCN-14
- Scan (Deviation) operation HD-SCR-15
- Scan (Diversity) OP-SCN-14
- Scan (Diversity) operation HD-SCR-17, HD-SCR-18
- Scan (Majority) OP-SCN-13
- Scan (Majority) operation HD-SCR-12
- Scan (Maximum) OP-SCN-11
- Scan (Maximum) operation HD-SCR-8
- Scan (Median) OP-SCN-12
- Scan (Median) operation HD-SCR-11
- Scan (Minimum) OP-SCN-12
- Scan (Minimum) operation HD-SCR-10
- Scan (Minority) OP-SCN-14
- Scan (Minority) operation HD-SCR-14
- Scan (Proportional) OP-SCN-15
- Scan (Proportional) operation HD-SCR-24
- Scan (Sum) OP-SCN-10
- Scan Average HD-INT-7
- Scan dialog box HD-SMT-13
- Scan operation OP-DRN-5, OP-SCN-2, OP-SCN-7, OP-SCR-2, HD-SCR-1, HD-SCR-1
- scanning UG-DAT-17
- scanning and tracing UG-DAT-16
- scanning paper maps HD-AZM-1
- scanning resolution UG-DAT-17
- scanning window HD-SMT-4, HD-SMT-14
- scanning window dimensions OP-SCN-8
- scanning window sizes HD-SMT-11
- Score (Average) OP-SCR-9
- Score (Average) operation HD-SCR-5
- Score (Density) OP-SCR-13
- Score (Deviation) OP-SCR-12
- Score (Deviation) operation HD-SCR-22
- Score (Diversity) OP-SCR-13
- Score (Diversity) operation HD-SCR-25
- Score (Majority) OP-SCR-11
- Score (Majority) operation HD-SCR-17
- Score (Maximum) OP-SCR-11
- Score (Maximum) operation HD-SCR-8
- Score (Median) OP-SCR-11
- Score (Median) operation HD-SCR-14
- Score (Minimum) OP-SCR-10
- Score (Minimum) operation HD-SCR-11
- Score (Minority) OP-SCR-12
- Score (Minority) operation HD-SCR-20
- Score (Overlap) OP-SCR-14
- Score (Overlap) operation HD-SCR-37
- Score (Proportion) operation HD-SCR-31
- Score (Proportional) OP-SCR-14
- Score (Total) OP-SCR-9
- Score operation OP-IAR-4, OP-SCN-3, OP-SCN-8, HD-SCR-2, HD-SCR-1
- screen UG-MAP-18
- screen resolution UG-DAT-17
- Script UG-TRM-7
- script UG-MAP-10, UG-MAP-13, UG-SCT-19, UG-SCT-24, UG-SCT-26, UG-SCT-27, UG-SCT-28, UG-SCT-30, UG-SCT-31, UG-SCT-33
- Script menu UG-SCT-14
- script statement format UG-SCT-18
- script statements OP-OVR-4, UG-MNU-17
- script statement format UG-SCT-18
- script statements UG-SCT-1, UG-SCT-18, UG-SCT-31
- script syntax UG-SCT-5, OP-OVR-4
- script under construction UG-SCT-14
- Script window UG-SCT-2, UG-SCT-3, UG-SCT-4, UG-SCT-5, UG-SCT-6, UG-SCT-8, UG-SCT-12, UG-SCT-13, UG-SCT-14, UG-SCT-17, UG-SCT-20, UG-SCT-21, UG-SCT-24, UG-SCT-26, UG-SCT-32
- Script window text field UG-SCT-5
- scripts UG-PRJ-1
- scripts preferences UG-SCT-17
- Scripts Preferences dialog box UG-SCT-24



- scroll bars UG-MPW-2
- SDTS UG-DEM-2
- seaming HD-SMT-7
- search path UG-PRJ-7, UG-PRJ-8,
UG-SCT-22, UG-SCT-26, UG-SCT-27
- search path referencing UG-SCT-15
- search paths UG-PRJ-17, UG-SCT-6,
UG-SCT-19, UG-SCT-20
- second order derivative HD-IDC-1
- select all UG-MPW-32, UG-MNU-27,
UG-LEG-49
- Select All command UG-MNU-9
- select all legend entries UG-LEG-23
- select multiple entries UG-LEG-22,
UG-LEG-23
- select points OP-RDM-1
- selecting elements in the Legend Format
 - Dialog Box UG-LEG-6
- selecting from the Map window UG-MPW-6
- selecting multiple legend entries HD-CSF-11
- selecting zones UG-LEG-22
- selection marquee UG-MPW-29
- selection tool UG-MPW-6, UG-MPW-26,
UG-MPW-31, UG-PRT-11, UG-PRT-26
- semicolon UG-SCT-18
- semi-continuous data HD-INT-1
- separating the bands/channels TR-TIF-5
- sequence of colours UG-LEG-33
- sequencer UG-LEG-37
- Sequencer dialog box UG-LEG-35, HD-CSF-
2, HD-CSF-5, HD-CSF-7, HD-CSF-9
- sequential colour distribution HD-CSF-13
- sequential distribution HD-SHR-11
- Serif faces UG-TXT-5
- service Bureau UG-TRM-7, UG-PRT-1,
UG-PRT-33, UG-PRT-35
- Session field UG-MGM-4
- set existing colours and values UG-MPW-17
- set the precision of floating point data
HD-OPF-5
- SetInfo command UG-SCT-27, UG-SCT-28
- SetInfo submenu UG-SCT-28
- setting the drawing value UG-MPW-16
- shaded relief image HD-SHR-7
- shaded relief kernels HD-SHR-2
- shaded relief map UG-DEM-2, UG-SCT-28,
HD-CRP-2, HD-SMT-6
- shaded relief map layer HD-SHR-1,
HD-SHR-2, HD-SHR-6, HD-SHR-7
- shaded relief maps HD-DIF-3
- shaded relief model HD-SMT-2, HD-SMT-4,
HD-SMT-9, HD-SMT-10
- shading kernel HD-SMT-3
- Shape database TR-SHP-3
- Shape files TR-SHP-1
- shape boundary cells OP-IPR-2
- shape of boundary OP-IAR-2
- shape of the surface HD-PFL-1
- Shapefile TR-SHP-1
- Shapefile translator TR-SHP-1
- sharpen edges HD-CSF-4
- sharpen features HD-EDG-1
- sharpening edges HD-CSF-1
- sharpening features HD-EDG-4
- shift intensity value OP-MRG-4
- shopping malls OP-FNC-2
- shortest path OP-SPD-6, HD-SRT-6,
HD-SRT-7, HD-SRT-8
- shortest path over a surface HD-SRT-1
- shortest route OP-SPD-5
- shortest route between two points HD-CHP-5
- shortest route over a surface HD-CHP-1
- show through UG-PRT-28
- Show Tracker HD-IMD-13
- Show/Hide Rulers UG-MNU-27
- Show/Hide Tracker UG-MNU-27
- signal degradation HD-SMT-11
- simple analytical models UG-SCT-1
- simple contrast stretch HD-EDG-3,
HD-SHR-6
- simple spread OP-SPD-6
- simple spread operation OP-SPD-10
- simplify calculation HD-OPF-1
- simplify complex data HD-GRP-1
- simplify complex data sets OP-SLC-4
- SIN(x) UG-ALG-4
- sine UG-ALG-4
- single theme map layer HD-UNI-1
- size UG-MAP-17, UG-TXT-1, UG-TXT-6
- Size option UG-LEG-12
- Size submenu UG-MNU-21



- skewed distribution HD-EDG-3
- ski resort developers HD-GRD-1,
 HD-GRD-6
- skyward angle HD-PFL-2
- Skyward Angle option OP-PRF-4
- Slice operation OP-SLC-1, OP-SLC-3,
 HD-CTR-4, HD-GRP-1
- slope HD-GRD-1
- slope angles HD-PFL-2
- slope aspect UG-PRT-21, OP-GRD-2,
 HD-BOO-1, HD-CTB-1, HD-RSK-1
- slope direction OP-GRD-2
- slope surface OP-ORT-1
- slopes HD-ASP-1
- small programs UG-SCT-21
- small scale UG-DAT-18
- small scale map UG-TRM-5, UG-DAT-19,
 UG-DAT-21
- smooth data OP-FTR-2, OP-SCN-2,
 OP-SCN-3, HD-SCN-1
- smoothed DEM HD-SMT-6, HD-SMT-7
- smoothing HD-SMT-1, HD-SMT-2,
 HD-SMT-14
- smoothing anomalous values HD-SMT-14,
 HD-SMT-16
- smoothing DEMs HD-SMT-4
- smoothing filter HD-CSF-1
- smoothing noise HD-SMT-11
- smoothing to improve the results of the
 Interpolate operation HD-INT-7
- smoothness data values HD-INT-7
- snap UG-MPW-23
- Sobel HD-EDG-2
- Sobel filter OP-FTR-6
- soil invertebrates HD-SCR-2
- soil maps HD-CSF-1
- soil models HD-RSK-2
- soil moisture OP-CRS-3, HD-RSK-9
- soil type OP-CRS-3, OP-KRG-5,
 HD-EDG-1, HD-INT-8, OP-IPR-1
- soil types OP-MSR-3, OP-SCR-8,
 HD-SCR-1
- source problems UG-DAT-20
- spaces UG-SCT-19
- sparse data UG-DAT-20, OP-FNC-2,
 OP-INT-4, OP-KRG-2, OP-SCN-16,
- HD-GRD-1, HD-RSK-1, HD-SCN-2,
 HD-TSN-1
- sparse data points HD-INT-1, HD-INT-8
- sparse data set OP-KRG-3
- sparse matrix of data HD-INT-3
- sparse mesh of values HD-INT-2
- sparse point data OP-FNC-1, OP-INT-1,
 HD-TSN-2
- sparse points TR-XYZ-1
- spatial accuracy UG-DAT-5
- spatial analysis UG-MAP-18, UG-MAP-22,
 UG-SCT-21, OP-OVR-1, OP-OVR-3,
 OP-OVR-7, OP-SCN-2, OP-SCR-2,
 OP-SPD-5
- spatial analysis models HD-CRP-1
- spatial context HD-BOO-2, HD-BOO-10,
 HD-CHD-1, HD-CHD-5, HD-RSK-2,
 HD-SHR-1, HD-TSN-6
- spatial cross tabulation HD-CTB-1,
 HD-CTB-2
- spatial data UG-DAT-2
- Spatial Data Transfer Standard (SDTS)
 UG-DEM-2
- spatial distances OP-SPD-5
- spatial modelling UG-MAP-18
- spatial models OP-OVR-4, OP-SPL-3,
 HD-SUB-1
- spatial problems UG-SCT-1
- spatial queries UG-SCT-1
- spatially referenced data UG-TRM-5,
 UG-DAT-2
- spatially referenced information UG-TRM-5,
 UG-MAP-1
- special characters UG-SCT-14
- specifications UG-SPC-7
- specified conditions HD-OPF-1, HD-OPF-2
- specified criteria HD-BOO-1
- specified radius HD-SCN-2
- spherical surface UG-TRM-4
- spiky values HD-SMT-9
- SPOT UG-DAT-17, OP-MRG-1,
 OP-MRG-4, HD-CSF-1, HD-CSF-2,
 HD-CSF-6, HD-EDG-1, HD-EDG-2,
 HD-FCC-1, HD-LNR-1, HD-LNR-3,
 HD-SMT-11
- spot elevation map layers HD-INT-3



- spot heights OP-INT-1
- Spread dialog box OP-SPD-6
- Spread operation OP-SPD-1, OP-SPD-5,
 HD-CHP-3
- spread sheet application HD-SCR-36
- spread sheets in dialog boxes UG-DLG-4
- spreading centre HD-BOO-6, HD-NET-1,
 HD-PNT-1, HD-CHP-1, HD-SRF-1
- spreading lines OP-SPD-2
- spreading points OP-SPD-2, HD-SRT-3,
 HD-SRT-5
- spreading polygons OP-SPD-2
- spreading seed HD-PNT-1, HD-PNT-3,
 HD-PNT-4, HD-PNT-5, HD-SRF-1,
 HD-SRF-4, HD-SRF-5, HD-SRF-6
- spreading seed map layer HD-CHP-5
- spreading seeds HD-SRT-1
- spreadsheet UG-DAT-16, UG-DAT-17
- spreadsheet and database interchange format
 UG-DAT-17
- spreadsheet applications TR-TAB-1,
 UG-LEG-54, UG-LEG-59
- spreadsheet program TR-XYZ-5, TR-SLK-1,
 TR-TAB-1
- spreadsheets UG-DAT-17
- spreading seed HD-PNT-4
- square kilometres UG-LEG-18
- square metres UG-LEG-18
- stack of attributes UG-DAT-2
- stack of legend entries UG-LEG-42
- stack of map layers HD-OPF-1
- stack of related maps UG-DAT-2
- stacked database UG-MAP-1
- stacking order UG-PRT-19, UG-PRT-27,
 OP-COV-3
- stalling operations OP-SPD-3
- standard spreadsheet and database
 interchange format UG-DAT-17
- standards of map accuracy and precision
 UG-DAT-18
- starting MFworks UG-INS-18
- starting point HD-SRT-1, HD-SRT-2
- statistic OP-SCN-4
- statistical analysis HD-SCR-1, OP-SCN-3,
 HD-SCR-25
- statistical applications UG-LEG-59
- statistical information OP-SCR-8
- statistical operators HD-PCC-1
- statistical routines UG-SCT-1
- statistics UG-MAP-3, OP-SCR-2
- steep areas HD-GRD-1, HD-GRD-6
- steepest downhill paths HD-DRN-3
- steepest downhill terrain HD-DRN-4
- steepest gradients HD-IDC-1, HD-RSK-4
- steepest slopes HD-GRD-6
- steepness OP-GRD-2, HD-RSK-1
- steepness of terrain HD-GRD-2
- storage by vegetation OP-DRN-2
- storage device UG-PRJ-7
- straight line distance UG-TRM-2
- straight lines UG-MPW-18, UG-MPW-21
- Strategic Mapping specifications TR-BNA-1
- street network HD-PMR-3
- strength of current HD-NET-1
- style UG-TXT-1, UG-TXT-6, UG-MNU-21
- Style option UG-LEG-12
- sub-cell boundary shape OP-IFR-2
- subrange of the input file TR-BNA-3
- Subscene operation OP-SUB-1, OP-SUB-2,
 HD-CRP-1
- subscenes HD-MSC-1
- subscripts UG-PRT-27
- substitute fonts UG-MAP-15
- subtract HD-PCC-1
- subtraction UG-ALG-5
- subtractive colour model UG-LEG-26
- sum HD-SCN-2
- sum of values HD-SCN-1, OP-SCN-4,
 OP-SCR-3, HD-SCR-2
- sum values HD-SCR-2
- summarize data HD-GRP-1
- summarize data sets OP-SLC-4
- summarize neighbourhood characteristics
 OP-SCN-3
- summarizing results UG-SCT-30
- summary statistic HD-OPF-11
- summary statistical analysis UG-DAT-8
- summary statistics HD-SCN-1, OP-SCN-2,
 OP-SCR-2, OP-SCR-8, HD-OPF-1,
 HD-SCR-1
- summits OP-PRF-4
- sun facing slopes OP-MSR-3



- superimpose OP-COV-2
 superimpose map layers HD-CHD-5
 superimposed stack of map layers OP-COV-2
 superscripts UG-PRT-27
 supervised classification HD-CLS-5
 suppress high frequency features OP-FTR-2
 surface aspect OP-GRD-4, HD-BOO-3
 surface elevation HD-INT-1, HD-INT-3
 surface elevation information HD-NET-4,
 HD-SRT-6
 surface geology OP-IPR-1
 surface gradients HD-BOO-1
 surface information HD-DRN-1
 surface map OP-RAD-2, HD-SRF-3
 surface map layer OP-PRF-3, HD-SRF-1,
 HD-SRF-2, HD-SRT-1
 surface of a microscope slide UG-DAT-2
 surface of a sphere UG-DAT-21
 surface of another planet UG-DAT-2
 surface orientation UG-DEM-2, OP-CRS-3
 surface orientation information OP-GRD-4
 surface roughness UG-DAT-7, OP-FTR-8,
 OP-GRD-1, HD-CVT-10
 surface roughness is emphasized OP-FTR-8
 surface slope OP-CRS-3, HD-BOO-4
 surface steepness HD-CHP-1
 surface textures HD-DIF-3
 surficial characteristics UG-DAT-4,
 UG-DAT-6
 surficial data UG-DAT-6
 survey HD-CRP-2
 surveying points across UTM boundaries
 TR-XYZ-1
 SYLK TR-SLK-1, HD-MSC-1
 symbol keypad UG-SCT-14
 SYmbolic LinK UG-DAT-17, TR-SLK-1
 syntactic unit UG-SCT-19
 syntax OP-OVR-7, UG-ALG-2, UG-SCT-21,
 UG-SCT-28
 syntax errors UG-SCT-30, UG-SCT-32
 system commands UG-SCT-9, UG-SCT-12,
 UG-SCT-25
 system functions UG-SCT-9
 system requirements UG-WEL-4
- T**
- tab delimited ASCII text files TR-XYZ-6,
 TR-XYZ-10, TR-XYZ-12, TR-XYZ-15
 tab delimited grid TR-TAB-4
 tab delimited grid of ASCII numbers
 TR-TAB-1
 tab delimited list of points UG-DAT-17,
 TR-TAB-1
 tab delimited points UG-MAP-17
 Tab Delimited Text translator TR-TAB-1,
 TR-XYZ-1
 Tab key UG-TXT-9, UG-SCT-5
 tab size UG-TXT-8
 Tab Size dialog box UG-TXT-2, UG-TXT-8
 table of tab delimited entries TR-TAB-1
 tabs UG-SCT-19
 Tagged Image File Format (TIFF) TR-TIF-1
 TAN(x) UG-ALG-4
 tangent UG-ALG-4
 target map layer HD-CHP-1, HD-NET-1,
 HD-PNT-1, HD-SRF-1
 tectonic features HD-CVT-1
 Tellus Regio HD-CVT-1
 temperature OP-GRD-1
 temporary map layer UG-SCT-11,
 UG-SCT-32, UG-SCT-34
 temporary project UG-PRJ-2
 terrain analysis UG-DEM-2, HD-SMT-1
 terrain classification HD-EDG-1
 terrain features TR-GIF-2
 terrain information HD-DRN-1
 terrain representation HD-CTR-1
 test a variety of conditions HD-OPF-5
 test for a set of conditions HD-OPF-5
 test maps OP-SPL-3
 test model on small map layer OP-SUB-2
 test the operation or model HD-SUB-1
 testing HD-CRP-1
 text alignment UG-LEG-12, UG-PRT-26
 text annotation UG-PRT-25
 text annotation block UG-PRT-26
 text characteristics UG-MAP-10
 text colour UG-PRT-26
 text editing UG-SCT-3



text editing techniques UG-MAP-12
 text editor UG-SCT-3, UG-SCT-14,
 TR-UNG-1
 text element UG-LEG-3, UG-LEG-20
 text field UG-SCT-20, UG-TXT-1
 text file UG-DAT-17, UG-SCT-3,
 UG-SCT-14, HD-MSC-1
 text format UG-PRT-26
 text formatting UG-PRT-26, UG-SCT-3
 text formatting changes UG-MAP-12
 text generated automatically UG-LEG-49
 text in the Comment window UG-MAP-11
 text in the Layout window UG-PRT-25
 text in the Legend window UG-LEG-21
 text in the Script window UG-SCT-4
 text line breaks UG-MAP-13
 Text menu UG-MNU-20
 text only file UG-SCT-3, UG-SCT-14
 text selection UG-SCT-3
 text size UG-PRT-26
 text style UG-PRT-26
 the cell UG-WEL-1
 the legend UG-DAT-13
 the Legend window UG-LEG-1
 the project UG-DAT-15
 the Project menu UG-PRJ-3
 the Script window UG-ALG-1
 Theissen polygon boundaries outlined
 HD-TSN-5
 Theissen polygons UG-TRM-5, OP-FNC-1,
 OP-FNC-2, HD-TSN-1, HD-TSN-6
 thematic map layer OP-CLP-2, HD-UNI-1,
 HD-CSF-1, HD-CLS-14
 themes UG-MAP-1, HD-CTB-1
 three dimensional UG-DAT-6
 tie points OP-WRP-9
 TIFF TR-TIF-1
 tile UG-TRM-7
 tiled images UG-PRT-32
 tiling the map image UG-PRT-7
 time HD-CHP-1, HD-SRF-1
 time series analysis HD-OPF-5
 TINs OP-PRF-4
 titles UG-TRM-5, UG-PRT-25
 tolerance UG-DLG-4
 Tomlin UG-DAT-5, UG-DAT-21,
 OP-IAR-1, OP-IFR-1, OP-ILN-1,
 OP-ILN-2, OP-ILK-1, OP-IPR-1
 tool box UG-MPW-6
 tools UG-MPW-2
 tools and controls UG-MPW-1
 Tools menu option UG-MPW-5
 topographic map HD-CLS-9, HD-CTR-1,
 HD-CTR-3, HD-DRN-1, UG-DAT-21,
 HD-PFL-3, HD-RUB-1
 topography OP-KRG-5, HD-INT-8
 total HD-SCN-1
 total area HD-VSD-9
 total element UG-LEG-3, UG-LEG-19
 total of values OP-SCN-2
 tourism OP-RAD-4
 Trace operation OP-TRC-1, OP-TRC-2
 tracing UG-MPW-12
 tracing complicated shapes UG-MPW-18
 tracing courses UG-MPW-22
 tracing outlines UG-MPW-22
 tracker UG-TRM-7, UG-MPW-3, UG-GEO-
 9
 traffic volume HD-CHP-1
 training cells HD-CLS-9
 training map for Classify OP-CLS-1,
 HD-CLS-6
 transformation UG-TRM-4
 transforming coordinates OP-WRP-5
 transition routines UG-SCT-1
 translate UG-SCT-1
 translation UG-MAP-26
 translation modules UG-INS-1
 translator UG-TRM-7, UG-SCT-2,
 UG-SCT-26
 translator dialog box UG-SCT-2,
 UG-SCT-26
 translator directions TR-OVR-6
 translator documentation TR-OVR-6
 translator file type TR-OVR-6
 translator modules UG-DAT-18, UG-SCT-8
 Translators menu UG-MAP-27, UG-SCT-6,
 UG-SCT-12, UG-SCT-26
 transparent background UG-PRT-30
 transportation map layer HD-RSK-1,
 HD-RSK-7



transported UG-PRJ-9
 transpose HD-FLP-2
 transposing cells OP-FLP-1
 travel cost OP-SPD-1, OP-SPD-5
 travel cost map layer HD-CHP-2, HD-CHP-4
 travel costs HD-SRF-1
 travel distance HD-SRF-4
 travel time OP-SPD-1, OP-SPD-5
 traverses colour space UG-LEG-36
 traversing colour space UG-LEG-33
 tree cover OP-MSR-3
 trends HD-SMT-6
 Triangular Irregular Networks (TINs)
 OP-PRF-4, HD-PFL-2
 trigonometric functions HD-OPF-1,
 HD-OPF-17, UG-ALG-4, UG-ALG-6
 true HD-OPF-2, HD-OPF-3, HD-OPF-5
 true colour composite HD-CLS-7
 true distance between cells HD-SRF-2,
 HD-SRF-5
 True North UG-TRM-3, UG-MAP-9
 true scanning resolution UG-DAT-17
 true shape characteristics UG-TRM-4
 TRUNC UG-ALG-6
 TRUNC(x) UG-ALG-4
 turn operation features on or off UG-DLG-6
 two pass process HD-INT-2
 type HD-OPF-1
 types of measurement UG-DAT-7
 types of operations OP-OVR-5
 typical HD-SCN-23

U

uncommon combinations HD-SCR-37
 uncompressed UG-MAP-27
 uncompressed raster data TR-BIN-1
 uncompressed TIFF files TR-BMP-1,
 TR-TIF-1
 undefined UG-ALG-8
 underlined text UG-MNU-27
 undo UG-MPW-33, UG-TXT-10
 Undo command UG-MNU-9
 undo/redo UG-MNU-27

Undo/Redo commands UG-MNU-9
 unevenly spaced data points OP-KRG-5
 unfiltered images HD-EDG-5, HD-EDG-7,
 HD-EDG-9, HD-EDG-10
 ungroup UG-MNU-27
 ungroup selection UG-LEG-48
 Ungroup Selection command UG-MNU-15
 ungrouping UG-LEG-43, UG-LEG-48
 uni-directional edge detection filter
 OP-FTR-7, OP-FTR-8
 uni-directional edge detector HD-PFL-2
 uniform value UG-MAP-17
 unique combinations HD-CHD-3
 unique identification value HD-UNI-3,
 HD-UNI-5
 unique identifier OP-FNC-1, HD-ARA-2,
 HD-UNI-1, HD-UNI-2
 unique values UG-DAT-13, OP-SCR-4
 uniquely identify map layers UG-SCT-19
 uniquely identify non-contiguous areas
 HD-UNI-3
 uniqueness HD-SCN-24
 United States Geological Survey
 UG-DEM-2, TR-DEM-1
 units of accumulation HD-CHP-12
 units of measure UG-DLG-4
 units of resolution UG-LEG-18
 uni-valued data points OP-CLP-2
 uni-valued points OP-FNC-1
 Universal Transverse Mercator (UTM)
 UG-TRM-5, UG-GEO-2
 UNIX TR-TIF-1
 unrectified airphotos HD-RUB-1
 unserviced territory HD-COM-3
 unsupervised classification HD-SMT-16,
 HD-CLS-5
 uphill HD-SRF-5
 Uphill restriction HD-SRF-6
 urban planners HD-GRD-1, HD-GRD-6
 urban planning UG-LEG-19
 urban-rural fringe HD-EDG-1
 user defined grid TR-XYZ-1
 user modifiable parameters UG-MAP-4
 USGS UG-DEM-2, TR-DEM-1
 USGS elevation interpolation algorithm
 HD-SMT-2, HD-SMT-4



using “save project as” UG-PRJ-15
 using a floating point operand UG-ALG-6
 using brackets to control mixed mode arithmetic UG-ALG-6
 using the georeferencing facility UG-GEO-9
 utility operation OP-FLP-1, OP-RSP-1,
 OP-ROT-2, OP-OVR-5
 UTM UG-TRM-5, UG-GEO-2, UG-GEO-3,
 UG-GEO-6, TR-XYZ-1, HD-EDG-1
 UTM coordinate system TR-DEM-1
 UTM coordinates TR-DXF-2, TR-DXF-3,
 TR-MIF-2, TR-SHP-2, TR-UNG-2,
 TR-UNG-3
 UTM grid UG-TRM-5
 UTM metres UG-GEO-5, UG-GEO-6,
 TR-XYZ-13, TR-BNA-2, TR-BNA-4,
 TR-DXF-2, TR-DXF-4, TR-MIF-3,
 TR-SHP-3, TR-UNG-3, TR-UNG-4
 UTM Quadrangle TR-DEM-3
 UTM zone HD-IMD-1

V

value UG-DLG-4
 value combinations OP-COM-2, HD-COM-2
 value element UG-LEG-17
 value gradient HD-EDG-2
 value increment grouping UG-LEG-47
 value range for fixed point data UG-DAT-7
 value range for floating point data
 UG-DAT-7
 value referenced legend entries UG-SCT-26
 values UG-SCT-25
 vantage points OP-RAD-4
 variability HD-SCN-1
 variablity of local data HD-SCN-17
 variations in gradient HD-GRD-1
 variations in slope HD-GRD-6
 vector UG-TRM-5
 vector based GIS programs UG-DAT-17
 vegetation type OP-IPR-1
 Venus HD-CSF-1
 vertical HD-LNR-1
 vertical axis OP-FLP-1

vertical component HD-SRF-4
 vertical difference HD-DIF-2
 vertical difference between cells HD-SRF-2,
 HD-SRF-5
 vertical distances OP-SPD-2
 vertical exposure OP-RAD-2
 vertical size of the legend entry UG-LEG-5
 vertical spread sheet in dialog boxes
 UG-DLG-5
 vertical trends OP-FTR-8
 vertical wrapping UG-PRT-19
 view UG-MPW-1
 view bearing OP-RAD-2
 view data points UG-MPW-1
 view the actual values UG-MPW-8
 viewer cells HD-VSD-4
 viewer map OP-RAD-1
 viewer map layer OP-RAD-4
 viewing cells HD-VSD-1
 viewing distance OP-RAD-2
 viewing height OP-RAD-2, OP-RAD-4
 viewing points OP-RAD-4
 views of the map layer UG-MAP-1
 viewshed HD-VSD-1, HD-VSD-4,
 HD-VSD-6, HD-VSD-10, HD-VSD-11
 viewshed analysis OP-RAD-4, HD-SMT-10
 viewshed information OP-RAD-4
 viewshed modelling HD-SMT-1
 viewsheds OP-MSR-3
 virus check UG-INS-3
 virus protection software UG-INS-3
 visible clear cuts HD-VSD-4
 visual impression of relief HD-GRD-1
 visualization UG-MPW-1, HD-RSK-3
 visualization controls UG-MPW-2
 visualization of the relationships
 UG-DAT-15
 visualize terrain HD-SHR-1
 visualizing relief HD-DIF-3
 VOID UG-DAT-4, UG-MPW-28,
 UG-LEG-34, UG-LEG-41, UG-LEG-50,
 UG-LEG-53, UG-ALG-7, UG-SCT-22,
 TR-BIN-1, TR-BMP-1, TR-TIF-1,
 TR-TIF-4, TR-TIF-6, TR-TIF-9,
 OP-CLP-2, OP-COV-3, OP-CRS-3,
 OP-FNC-1, OP-FNC-2, OP-INT-4,



OP-KRG-1, OP-KRG-2, OP-KRG-5,
 OP-MSR-1, OP-RAD-4, OP-SCN-9,
 OP-SPD-2, OP-TRC-1, HD-ARA-3,
 HD-AZM-2, HD-BOO-8, HD-BOO-9,
 HD-CHD-3, HD-CHP-1, HD-CTB-4,
 HD-CTR-8, HD-IMD-13, HD-INT-1,
 HD-INT-4, HD-INT-5, HD-INT-8,
 HD-NET-1, HD-NET-2, HD-OPF-11,
 HD-OPF-12, HD-OPF-13, HD-OPF-14,
 HD-PMR-1, HD-PMR-3, HD-PNT-1,
 HD-RCD-2, HD-RSK-6, HD-RSK-8,
 HD-SHR-3, HD-SMT-15, HD-SRF-1,
 HD-SRT-4, HD-TSN-1, HD-TSN-5,
 HD-UNI-1, HD-VSD-1
 VOID always returns VOID UG-ALG-7
 VOID always returns VOID exceptions
 UG-ALG-7
 VOID in the Classify operation OP-CLS-2,
 HD-CLS-1
 VOID in the Layout window UG-PRT-20
 VOID wedges TR-DEM-1, OP-ROT-2,
 OP-ROT-3, HD-AZM-2, HD-AZM-3,
 HD-IMD-13, HD-PMR-1
 Voronoi polygon boundaries outlined
 HD-TSN-5
 Voronoi polygons UG-TRM-5, OP-FNC-1,
 OP-FNC-2, HD-TSN-1, HD-TSN-6

W

Warp HD-IMD-6
 Warp operation OP-WRP-1, OP-WRP-5,
 HD-RUB-1
 warping UG-DAT-21
 water depth HD-NET-1
 web site UG-WEL-4
 weeds HD-NET-1
 weighted average method of smoothing
 HD-SMT-4
 weighted mean filter HD-SMT-1
 weighted multipliers HD-KRL-1
 weighted proximity resampling OP-WRP-3
 weighting factor OP-MRG-5
 weighting method HD-INT-2

weights OP-SCN-8, HD-KRL-3, HD-SCN-2,
 HD-SHR-2
 what is where? HD-CLS-1
 where is what? OP-CLS-2, HD-CLS-1,
 HD-CLS-5
 white space UG-SCT-19
 widely dispersed cells HD-ARA-1
 wilderness park planning HD-VSD-2
 wind velocity OP-GRD-2
 Windows TR-BMP-1, TR-EMF-1, TR-TIF-1
 windows UG-TXT-1
 windows associated with a map UG-MAP-1
 Windows Bit Map TR-BMP-1
 Windows Help UG-MNU-24
 Windows menu UG-MNU-22
 Windows NT users UG-INS-3
 Windows NT workstation UG-INS-3
 Windows System Colours UG-LEG-25
 Windows TIFF TR-TIF-1
 Wingz TR-SLK-1, TR-TAB-1
 word processing TR-TAB-1, UG-LEG-54,
 UG-LEG-59, UG-SCT-3, UG-SCT-14,
 TR-XYZ-10, TR-XYZ-15
 word processor UG-DAT-16, UG-DAT-17,
 TR-DEM-1
 working with map layers from the project
 window UG-PRJ-17
 World Wide Web TR-TIF-8, TR-TIF-9,
 HD-IMD-1, UG-DEM-2
 wrap text to window by default UG-SCT-17
 wrap to window UG-MAP-12, UG-SCT-5

X

X /Y coordinates TR-XYZ-1, UG-DAT-9,
 TR-BNA-2, TR-BNA-3, TR-DXF-2,
 TR-UNG-2, TR-UNG-3, TR-MIF-2,
 TR-SHP-2
 XYZ coordinate file TR-XYZ-1, TR-XYZ-5,
 TR-XYZ-10, TR-XYZ-12, TR-XYZ-15,
 HD-CLS-10



Z

Z value TR-DXF-2, TR-XYZ-1
Z values TR-DXF-4
zonal operations OP-OVR-5, OP-OVR-7
zone UG-TRM-7, UG-MAP-2
zone area UG-DAT-13
zone based statistics HD-SCR-1
zone colour UG-DAT-13, UG-SCT-28
zone text UG-DAT-13, UG-LEG-50
zone value UG-DAT-13
zone value element UG-LEG-3
zones UG-DAT-12, UG-MAP-4, UG-LEG-1
Zoom command UG-MNU-12, UG-MPW-7,
 UG-MPW-11
zoom controls UG-MPW-10, UG-PRT-5
zoom in UG-MPW-12
Zoom In command UG-MNU-12
zoom out UG-MPW-12
Zoom Out command UG-MNU-12
zoom pop-up menu UG-PRT-5
zoom ratio UG-MPW-12