

Index

- A**
- ABORT statement 235
 - About SAS dialog box 167
 - access descriptor files 85
 - access methods 108
 - aggregate syntax 111
 - ALTLOG system option 253
 - ALTPRINT system option 254
 - APPEND system option 255
 - appending data sets 228
 - application workspace (AWS) 41
 - confining windows to single AWS 41
 - customizing session workspace 74
 - resizing windows 41, 75
 - session gravity 37, 74
 - window sizes 74
 - ASCII collating sequence
 - converting to/from ASCII 160
 - returning a character position 205
 - returning a character string 198
 - returning one character 197
 - asynchronous tasks 247
 - ATTRIB statement 236
 - attribute keys 62
 - autocall libraries 216, 288
 - autoexec files 14, 255
 - AUTOEXEC system option 255
 - automatic macro variables 213
 - autosave 77, 179
 - AUTOSCROLL command 166
 - AWS
 - See application workspace (AWS)
- B**
- background processes 3
 - background resources 68
 - background, X command line option 6
 - backup, automatic 42
 - backwards compatibility 100
 - batch mode 4, 298
 - default location of SAS source code 300
 - executing X statements 14
 - invoking SAS System in 9
 - output destination 283
 - SAS log destination 274
 - simulating forms in 135
 - system option default values 256
 - BATCH system option 256
 - binary data 159
 - BLKSIZE system option 257
 - block size, for SAS data libraries 257
 - BMDP engine 98
 - BMDP files, converting to SAS data sets 225
 - BMDP procedure 219
 - bordercolor, X command line option 6
 - borderwidth, X command line option 6
 - Bourne shell, file descriptors in 114
 - browsers
 - for documentation 42
 - for help 42, 78
 - invoking Web browser 182
 - buffering 186
 - for SAS log 303
 - buffers
 - command recall buffer 78
 - internal I/O buffer 188
 - number of 187, 258
 - paste buffer 42, 73
 - size of 188, 259
 - BUFNO= data set option 188
 - BUFNO system option 258
 - BUFSIZE= data set option 188
 - BUFSIZE system option 259
 - buttons 181
 - BY statement, BMDP procedure 221
 - BYE command 9
 - BYTE function 197
- C**
- CALL routines 197
 - CALL SYSTEM routine 198
 - CAPS command 166
 - carriage control 151
 - CATALOG procedure 224
 - catalogs 84, 224
 - Census Tract maps 271
 - Change dialog box 173
 - Change Working Directory dialog box 29, 167
 - character data 160
 - converting to hexadecimal 194, 208
 - returning character strings 197, 198
 - word searches 215
 - CLEANUP system option 259
 - cleanwork utility 320
 - Clipboard 25
 - COLLATE function 198
 - COLOR command 67, 166
 - colors
 - background resources 68
 - changing with Resource Helper 47
 - contrast control 71
 - customizing 66
 - foreground resources 68
 - resources for 68
 - SASCOLOR window 66
 - window colors 166
 - window element definitions 69
 - command recall buffer 78
 - command window 26
 - invoking at start of SAS session 77
 - X resources options 43
 - commands 165
 - See also UNIX commands, executing
 - dictionary of 165
 - entering with Command window 26
 - executing SAS commands 60
 - routing output with 131
 - UNIX, reading from/writing to 114
 - completion codes 18
 - concatenating
 - filenames 111
 - SAS data libraries 91
 - condition codes 213
 - CONFIG system option 260
 - configuration files
 - alternative file 260
 - creating 17
 - processing 17
 - system options in 14
 - versus autoexec files 14
 - configuration, for host editor support 78
 - container windows 37
 - CONTENTS procedure 224
 - contrast control 71
 - control keys, interrupting or terminating SAS sessions 11
 - CONVERT procedure 225
 - converting
 - data libraries 100
 - system files 225
 - copying
 - external file into current window 178
 - SAS files 228
 - text 24
 - window contents 133, 175, 183

CPARMS resources 69
 cursor movement 59, 177
 customizing SAS sessions 14
 customizing session workspace 74
 customizing windowing environment
 See windowing environment, customizing
 cut-and-paste 24, 183, 184
 customizing 73

D

data files 84, 85, 86
 data libraries 84
 appending SAS data sets 228
 block size for 257
 concatenating 91
 converting 100
 default access method 265
 default permanent library 303
 disk format 96
 librefs, assigning/deassigning 244
 listing characteristics of 244
 multiple engines for 93
 pathname 205
 printing file descriptions 224
 SASHELP 94, 289
 SASUSER 94, 286, 290
 sequential format 96, 291
 USER 94, 95
 WORK 94, 95, 305
 data lines, including 241
 data representation 159
 binary data 159
 character variables 160
 missing values 161
 numeric variables 161
 data set options 187
 summary of 189
 data sets 84
 appending 228
 buffer size 259
 buffers for 258
 combining partitioned data sets 323
 converting system files to 225
 duplicate names 93
 sorting on SMP machines 325
 DATA step
 aborting 235
 for e-mail 117, 119
 data views 84, 85
 DATALINES fileref 114
 DATASETS procedure 228
 DBCS
 See double-byte character sets (DBCS)
 DBCS system option 261
 DBCSLANG system option 261
 DBCSTYPE system option 262
 debugging 110, 186
 descriptor files 85

device drivers 263
 device information 108
 DEVICE system option 263
 DINFO function 199
 directories
 assigning filerefs to 111
 concatenating 91
 directory information items
 name of 199
 number available 200
 value of 199
 DISK files, accessing 109
 disk-format data libraries 96
 DISPLAY environment variable 7
 display, setting 7
 -display, X command line option 6, 8
 DLGABOUT command 167
 DLGCDIR command 167
 DLGENDR command 168
 DLGFIND command 168
 DLGFONT command 169
 DLGOPEN command 169
 DLGPREF command 170
 DLGPRT command 170
 DLGPRTMODE command 171
 DLGPRTPREVIEW command 172
 DLGPRTSETUP command 172
 DLGREPLACE command 173
 DLGSAVE command 173
 DLGSCRDUMP command 174
 DLGSMAIL command 174
 DMS options, X resources 41
 documentation, browser for 42
 DOPTNAME function 199
 DOPTNUM function 200
 double-byte character sets (DBCS) 261
 encoding method 262
 full-screen encoding method 267
 full-screen input method module (IMM) 268
 full-screen input method module options 269
 language for 261
 recognizing 261
 drag and drop 25
 drag marks 23
 drivers 126
 DUMMY devices 110

E

e-mail 116
 DATA step for 117, 119
 example 119, 120
 FILENAME statement for 117
 initializing 116
 SCL code for 117, 120
 script for 265
 sending from within SAS 31, 116, 174
 ECHO system option 264
 EDITCMD system option 79, 264
 editing mode 78
 editing options, X resources 42
 editor
 See host editor
 electronic mail
 See e-mail
 EMAILSYS system option 265
 ENDSAS command 9
 ENGINE system option 265
 engines 84, 88, 245
 BMDP 98
 interface library engines 98
 library engines 245
 multiple per data library 93
 omitting names from LIBNAME statement 91
 OSIRIS 99
 SPSS 100
 table of 89
 view engines 245
 environment abbreviation 214
 environment variables
 as filerefs 112
 as librefs 93
 defining 17, 292
 DISPLAY 7
 displaying 18
 returning the value of 205
 SASV8_OPTIONS 14
 translating 215
 value of 215
 error messages 278
 executable files, search path for 283
 execution modes 3
 Exit dialog box 41, 77, 168
 exit status codes 18, 214
 EXPLORER system option 8
 Explorer, invoking 8
 Export as Image dialog box 173
 extended attribute keys 62
 external devices 103, 104
 See also external files
 associating filerefs with 238
 external files 84, 103
 accessing 104
 associating filerefs with 238
 concatenating filenames 111
 copying into current window 178
 copying window contents to 133, 175
 deleting 200
 e-mail, sending from within SAS 116
 filerefs, assigned by SAS 113
 filerefs, assigning to directories 111
 filerefs, assigning with FILENAME statement 106
 filerefs, environment variables as 112
 filerefs, reserved 114
 mainframe-created 123
 pathname 105, 205
 pipes for writing data from 10
 specifying with INFILE statement 242

- tape files 121
 - UNIX commands and pipes 114
 - verification of 200, 201
- F**
- FDELETE function 200
 - FEXIST function 200
 - FILE command 133, 175
 - file descriptors 113
 - file information items
 - name of 203
 - number available 203
 - value of 202
 - file locking 266
 - FILE= option, PRINT command 133
 - File Selection dialog box 78
 - FILE statement 236
 - FILECLOSE= data set option 189
 - FILEEXIST function 201
 - FILELOCKS option, LIBNAME statement 91
 - FILELOCKS system option 266
 - filename extensions 85
 - FILENAME function 201
 - FILENAME statement 106, 238
 - access methods 108
 - accessing DISK files 109
 - aggregate syntax 111
 - assigning filerefs to directories 111
 - assigning filerefs to pipes 114
 - debugging code with DUMMY devices 110
 - device information 108
 - FTP access method 111
 - PIPE device type 122
 - PRINTER device type 110
 - sending e-mail 117
 - SOCKET access method 111
 - TAPE device type 122
 - TEMP device type 110
 - temporary files 110
 - TERMINAL devices 110
 - UNIX commands, reading from/writing to 114
 - filenames
 - concatenating 111
 - regular expressions in 29
 - FILEREF function 202
 - filerefs 104
 - aggregate syntax 111
 - assigned by SAS 113
 - assigning to directories 111
 - assigning to pipes 114
 - assigning with FILENAME function 201
 - assigning with FILENAME statement 106
 - associating with device or external file 238
 - clearing 107
 - deassigning 201
 - environment variables as 112
 - listing 108
 - printing window contents 131
 - reserved 114
 - routing output 131
 - verification of 202
- files
- See also* SAS files
 - See also* external files
 - See also* tape files
 - opening 28, 169, 204
 - print files 126, 136, 152
 - printing file descriptions 224
 - procedure output files 126
 - sharing in a network 101
 - special files 104
 - stored program files 84
 - temporary 110
 - XPM files 41, 78
- fill character 176
- FILL command 176
- Find dialog box 30, 168
- FINFO function 202
- fixed-point data
 - converting hexadecimal positive binary values to 207
 - reading 208
 - reading positive values 209
- floating-point data
 - converting hexadecimal positive binary values to 207
 - converting to hexadecimal 193
 - reading 209
 - writing 195
- Font dialog box 169
- font, X command line option 7
- fonts
 - alias resources 65
 - controlling with forms 153
 - customizing 63
 - default windowing font 65
 - Host Fonts dialog box 63, 169
 - host printing 145, 147
 - resources for 64
 - system font 63
 - windowing environment font 63
- FOOTNOTE statement 241
- FOPTNAME function 203
- FOPTNUM function 203
- foreground processes 3
- foreground resources 68
- foreground, X command line option 6
- formats 193
 - associating with variables 236
 - dictionary of 193
 - for binary data 159
 - for character values 160
- forms 125, 149
 - See also* printing
 - adding 149
 - carriage control 151
- creating 149
- default form 155
- defining 149
- editing 149
- font control 153
- margins 150
- printer control language (PCL) 154
- printer selection 150
- routing output 125
- simulating, in batch environment 135
- text body options 150
- UNIX print file parameters 152
- with PRINT command 131
- FSDBTYPE system option 267
- FSFORM command 149
- FSIMM system option 268
- FSIMMOPT system option 269
- FTP access method 111
- FULLTIMER system option 270, 299
- function keys 22, 60, 215
- functions 197
 - macro functions 215
- G**
- geometry, X command line option 6
 - GISMAPS= system option 271
 - global settings, saving on exit 41
 - GLUE utility 323
 - GRAPH windows
 - printing from 130
 - saving as image file 174
 - graphical user interface (GUI) 21
 - Graphics Clipboard 77
 - graphics device drivers 263
 - graphics device name 214
 - gravity 37, 74
 - GSTORE temporary file 77
 - GSUBMIT command 177
 - GUI (graphical user interface) 21
- H**
- help 33, 271, 289
 - help browser 42, 78
 - HELPLOC system option 271
 - hexadecimal data
 - converting character data to 194
 - converting floating-point data to 193
 - converting positive binary values to fixed-point binary 207
 - converting positive binary values to floating-point binary 207
 - converting real binary data to 193
 - converting to character data 208
 - HEXw. format 194, 193
 - HEXw. informat 208, 207
 - HOME command 60, 177

host editor 33
 configuring for 78
 for HOSTEDIT command 264
 invoking 178

Host Fonts dialog box 63, 169

host printing 142
 controlling text printing with 126
 default printer name 307
 default setting for 78
 fonts 145, 147
 margins 145
 printer devices, default 147
 printer devices, properties 145
 printer devices, setting up 143, 172
 printer options 146
 printers, for all site users 148
 printers, removing from selection list 145
 routing output 146
 turning on and off 41, 142, 171
 XPRINTER devices, adding 148

host sort library 295

host sort utility 296
 cutoff for 293, 294
 name specification 295
 options for 292
 parameters for 296
 pathname for temporary files 294
 specifying 296

HOSTEDIT command 79, 178, 264

I

IBw.d format 194

IBw.d informat 208

-iconic, X command line option 7

iconizing windows 33

icons, user-defined 76

IEEE Not-a-Number values 161

images
 exporting 173
 importing 169

Import Image dialog box 169

INCLUDE command 178

%INCLUDE statement 241

indexes 84, 85, 228

INFILE statement 242

informats 207
 associating with variables 236
 dictionary of 207
 for binary data 159
 for character values 160

insert mode 42, 60

INSERT system option 272

integer binary data
 reading 208
 writing 194
 writing positive values 195

interactive line mode 4, 10
 as alternative to windowing environment 274

terminating SAS sessions 10

interface 21

interface data files 85

interface data views 85

interface library engines 98

interior windows 37

internal I/O buffer 188

interrupting SAS sessions 10, 33

K

key definitions 22, 215
 customizing 45, 55
 defining key translations 56

key translations 56
 keyboard action names 59
 keysyms, determining 57
 SAS.keyboardTranslations resource 58
 SAS.keysWindowLabels resource 59

keyboard actions 59

KEYDEF command 56

%KEYDEF macro statement 215

keypad keys 61

KEYS window 22

keysyms 57

kill command 11

Korn shell, file descriptors in 114

L

labels, associating with variables 236

LENGTH statement 243

lengths, associating with variables 236

LIBNAME function 204

LIBNAME statement 88, 244
 assigning librefs to several directories 91
 engine/host options 91
 FILELOCKS option 91
 omitting engine names 91

library engines 245

librefs 84, 86
 assigned by SAS 94
 assigning to multiple directories 91
 assigning with LIBNAME function 204
 assigning with LIBNAME statement 88, 244
 clearing 89
 deassigning 204, 244
 environment variables as 93
 listing 89
 multiple engines for a library 93

LINESIZE system option 273

LMODE system option 274

LOG fileref 114

LOG system option 274

Log window, opening 8

long integer maximum value 214

LPTYPE system option 275

M

macro facility 213
 autocall libraries 216, 288
 automatic macro variables 213
 functions 215
 in-memory macro variables, memory for 280
 macro symbol tables, memory for 279
 statements 215
 system options 216

mainframes, external files created on 123

manual pages, installing 319

map data sets 276

mapping windows 33

MAPS system option 276

margins
 controlling with forms 150
 host printing 145

MARK command 24

marking text 23

MAXMEMQUERY system option 276

member types 85

memory
 for in-memory macro variables 280
 for macro variable symbol tables 279
 for procedure termination 285
 for procedures 276
 for SORT procedure 297
 for system termination 301
 per SAS session 277

MEMSIZE system option 277

menu access keys 41

messages
 at SAS System startup 264
 for SAS log 280

missing values 161

MOPEN function 204

Motif
 See windowing environment, customizing

MSG system option 278

MSGCASE system option 278

MSYMTABMAX system option 216, 279

MVARSIZE system option 216, 280

N

-name, X command line option 6

named pipes 97

native data files 85

native data views 85

native library engines 245

networks, sharing files in 101

New Library window 87

NEWS system option 280

notes, case of 278

numeric keypad 61

numeric variables 161

- O**
- OBS system option 281
 - observations
 - sort cutoff 293, 294
 - specifying last to process 281
 - ODS
 - See Output Delivery System (ODS)
 - online help 42, 78
 - Open dialog box 28, 77, 169
 - operating system commands, executing
 - See UNIX commands, executing
 - OPLIST system option 281
 - OPTIONS procedure 231
 - OPTIONS statement 14
 - OSIRIS engine 99
 - OSIRIS files, converting to SAS data sets 225
 - out-of-resource conditions 259
 - output 126
 - appearance of, controlling 137
 - batch mode destination 283
 - content of, controlling 137
 - linesize for 273
 - pagesize for 282
 - PostScript 136
 - previewing 31, 172
 - producing 125
 - PUT statement output file 236
 - SAS log 126
 - SAS output 126
 - sending to printers 110, 275
 - title lines 249
 - Output Delivery System (ODS) 42
 - controlling results 72
 - results options, X resources 42
 - Output window, opening 8
 - output, routing 125
 - See also SAS log
 - appearance of output 137
 - commands for 131
 - content of output 137
 - default routings 126
 - default routings, changing 127, 156
 - host printing 146
 - Print dialog box for 128
 - print file specification 136
 - printed output destination 301
 - printing from GRAPH windows 130
 - printing from text windows 128
 - printing large files with PIPE device type 137
 - PRINTTO procedure for 133
 - producing output 125
 - system options for 136
 - to terminal 135
 - to XPRINTER device 134
 - UNIX settings for 275
 - overstrike mode 42, 60
- P**
- PACKED DECIMAL data 194, 208
 - PAGESIZE system option 282
 - PARMCARDS statement, BMDP procedure 222
 - partitioned data sets, combining 323
 - paste buffer 42, 73
 - patchname utility 321
 - PATH system option 283
 - PATHNAME function 205
 - pathnames 87, 105
 - appending to system option values 255
 - data libraries 205
 - external files 105, 205
 - host sort utility, temporary files 294
 - inserting at beginning of system option values 272
 - wildcards in 105
 - PCL (printer control language) 154
 - PDw.d format 194
 - PDw.d informat 208
 - performance statistics, logging 270, 299
 - PIBw.d format 195
 - PIBw.d informat 209
 - PIPE device type 122, 137
 - pipes
 - assigning filerefs to 114
 - named pipes 97
 - writing from external files 10
 - writing sequential data to 97
 - PMENU procedure 231
 - positive binary data, converting to fixed- or floating-point 207
 - positive integer binary data
 - reading 209
 - writing 195
 - PostScript output 136
 - Preferences dialog box 40, 170
 - previewing output 31, 172
 - PRINT command
 - changing the default 156
 - FILE= option 133
 - with fileref 131
 - with forms 131
 - print command, specifying 284
 - Print dialog box 128, 170
 - printing from GRAPH windows 130
 - printing from text windows 128
 - PRINT fileref 114
 - print files 126, 136, 152
 - Print Preview dialog box 172
 - PRINT system option 283
 - PRINTRCMD system option 284
 - printer control language (PCL) 154
 - PRINTER device type 110
 - printer devices, host printing 143, 145, 147, 172
 - Printer Setup dialog box 172
 - printers
 - default printer name 307
 - host printing 145, 148
 - selecting with forms 150
 - sending output to 110, 275
 - printing 32, 141
 - See also forms
 - See also host printing
 - default destination, changing 156
 - drivers 126
 - file descriptions 224
 - from GRAPH windows 130
 - from text windows 128
 - large files, with PIPE device type 137
 - routing output 125
 - window contents 131, 170
 - PRINTTO procedure 133, 232
 - routing output to terminal 135
 - routing output to XPRINTER device 134
 - simulating forms in batch environment 135
 - PROC BMDP statement 220
 - procedure output
 - controlling contents of 138
 - destination 232
 - destination for copies 254
 - footnotes 241
 - procedure output files 126
 - procedures 219
 - maximum memory for 276
 - memory reserved for termination of 285
 - process PID 214
 - PROCLEAVE system option 285
 - Program Editor window
 - autosave 77, 179
 - opening 8
 - PRTFILE command 131, 136
 - pull-down menus
 - customizing 72
 - mnemonics 41
 - PUT statement, output file 236
- R**
- RANK function 205
 - RBw.d format 195
 - RBw.d informat 209
 - real binary data
 - converting to hexadecimal 193
 - reading 209
 - writing 195
 - remote host 7
 - Replace dialog box 30
 - reserved filerefs 114
 - resource database 38
 - Resource Helper
 - changing colors 47
 - customizing key definitions 45, 56
 - searching for X resources 48
 - setting X resources with 44
 - starting from SAS sessions 44
 - starting from shell prompt 45
 - resource tracing 287
 - resources, summary of 79

- results options, X resources 42
 - Results window, opening 8
 - reverse, X command line option 7
 - routing output
 - See output, routing
 - RSASUSER system option 286
 - RTRACE system option 287
 - RTRACELOC system option 287
- S**
- SAS/AF applications, previewing output 32
 - SAS catalogs 84, 224
 - SAS code, submitting from buffer 177
 - SAS command
 - invoking SAS in batch mode 9
 - specifying system options 14
 - starting SAS sessions 5
 - SAS/CONNECT script files 290
 - SAS data files 84, 85, 86
 - SAS data libraries
 - See data libraries
 - SAS data set options 187
 - summary of 189
 - SAS data sets
 - See data sets
 - SAS data views 84, 85
 - SAS files 83
 - backwards compatibility 100
 - BMDP data files 98
 - copying 228
 - data files, accessing 86
 - data libraries, disk-format 96
 - data libraries, sequential-format 96
 - deleting 228
 - filename extensions 85
 - for input 92
 - for output 92
 - interface data views 85
 - librefs, assigned by SAS 94
 - librefs, assigning to several directories 91
 - librefs, assigning with LIBNAME statement 88
 - librefs, environment variables as 93
 - listing 228
 - member types 85
 - multiple engines for a library 93
 - OSIRIS data files 98
 - pathname specification 87
 - renaming 228
 - search path for executable files 283
 - sharing 101
 - SPSS data files 98
 - types of 84
 - updating 92
 - SAS/GIS software, Census Tract maps 271
 - SAS/GRAPH software
 - device driver for output 263
 - map data sets 276
 - SAS jobs
 - aborting 235
 - completion status of 18
 - SAS log 126
 - See also output
 - batch mode destination 274
 - buffering 303
 - controlling contents of 137
 - destination for copies 253
 - messages for 280
 - output destination 232
 - performance statistics in 270, 299
 - system option settings in 281
 - SAS output
 - See output
 - SAS procedures
 - See procedures
 - SAS resources, summary of 79
 - SAS Session Manager
 - See session manager
 - SAS sessions
 - aborting 235
 - batch mode 9
 - completion status of jobs 18
 - customizing 14
 - ending 9
 - executing UNIX commands from 12, 251
 - interactive line mode 10
 - interrupting 10, 33
 - maximum memory for 277
 - remote host 7
 - sending e-mail from 31, 116, 174
 - starting 5
 - suspending 250
 - terminating 9, 10, 33, 168
 - windowing environment 8
 - SAS source code, default location in batch mode 300
 - SAS statements
 - See statements
 - SAS system options
 - See system options
 - SAS System, About SAS dialog box 167
 - SAS window session ID 37
 - SAS.keyboardTranslations resource 58
 - SAS.keysWindowLabels resource 59
 - SASAUTOS system option 216, 288
 - SASCOLOR window 66
 - SASHELP data library 94, 289
 - SASHELP system option 289
 - saspsort sorting procedure 325
 - sasroot directory 317, 321
 - SASSCRIPT system option 290
 - SASUSER data library 94, 286, 290
 - SASUSER system option 290
 - SASV8.CFG file 14
 - SASV8_OPTIONS environment variable 14
 - Save As dialog box 173
 - %SCAN macro function 215
 - SCL code, for e-mail 117, 120
 - screen captures 174
 - script files, SAS/CONNECT 290
 - scroll bars 75
 - scrolling 61, 166
 - search and replace 30, 173
 - search path, for SAS executable files 283
 - searches 168
 - selecting text 23
 - selectionTimeout, X command line option 7
 - Send Mail dialog box 31, 174
 - SEQENGINE= system option 291
 - sequential-format data libraries 96, 291
 - session gravity 37, 74
 - session manager 33
 - automatic startup 41, 78
 - interrupting SAS sessions 12
 - terminating SAS sessions 12, 33
 - session workspace, customizing 74
 - SET system option 292
 - SETAUTOSAVE command 179
 - shell scripts 298
 - shells, starting 13
 - SMP machines, sorting data sets on 325
 - SOCKET access method 111
 - sort library 295
 - SORT procedure, memory for 297
 - sort utility, SAS System
 - See also host sort utility
 - cutoff for 293, 294
 - specifying 296
 - SORTANOM system option 292
 - SORTCUT system option 293
 - SORTCUTP system option 294
 - SORTDEV system option 294
 - sorting data sets, on SMP machines 325
 - SORTLIB system option 295
 - SORTNAME system option 295
 - SORTPARM system option 296
 - SORTPGM system option 296
 - SORTSIZE system option 297, 325
 - source code, default location in batch mode 300
 - special files 104
 - SPSS engine 100
 - SPSS files, converting to SAS data sets 225
 - standard error 113
 - standard input 113
 - standard output 113
 - starting SAS sessions 5
 - startup logo 41, 78
 - statements 235
 - including 241
 - macro statements 215
 - submitting from buffer 177
 - STDIO system option 298
 - STIMEFMT system option 299
 - STIMER system option 299
 - STORE command 42
 - stored program files 84
 - submitting code or statements from buffer 177
 - suspending SAS sessions 250

- synchronous, X command line option 7
- SYSCC automatic macro variable 213
- SYSDEVIC automatic macro variable 214
- SYSENV automatic macro variable 214
- %SYSEXEC macro statement 215
- SYSGET function 205
- %SYSGET macro function 215
- SYSIN system option 300
- SYSJOBID automatic macro variable 214
- SYSLEAVE system option 301
- SYSMAXLONG automatic macro variable 214
- SYSPRINT system option 301
- SYSRC automatic macro variable 214
- SYSSCP automatic macro variable 214
- SYSXCPL automatic macro variable 214
- SYSTASK statement 247
- system administrator tools
 - cleanwork 320
 - installing manual pages 319
 - location of 319
 - patchname 321
- system files, converting 225
- system options 253
 - batch default values 256
 - creating PostScript output 136
 - dictionary of 253
 - in configuration files 14
 - listing current values 231
 - macro facility 216
 - overriding defaults 15
 - pathnames, appending 255
 - pathnames, inserting 272
 - procedure output, controlling contents of 138
 - routing output with 136
 - SAS log, controlling contents of 137
 - set in multiple places 16
 - set in one place 16
 - specifying 14
 - summary of 307
 - writing settings to SAS log 281
 - writing settings to the terminal 304
- System Options window 14

T

- tape
 - reading and writing SAS files on 96
 - transport formats on 97
- TAPE device type 122
- tape files 121
 - default CLOSE disposition 189, 302
 - example 123
 - mainframe-created 123
 - PIPE device type 122
 - TAPE device type 122
 - UNIX commands for 121
- TAPECLOSE system option 302
- TEMP device type 110
- temporary files 110

- TERMINAL devices 110
- terminals
 - accessing directly 110
 - routing output to 135
 - writing system option settings to 304
- terminating SAS sessions 10, 168
 - interactive line mode 10
 - windowing environment 9
 - with session manager 12, 33
- text
 - copying 24
 - cut-and-paste 24
 - search and replace 30
 - selecting 23
- text windows, printing from 128
- timeout value 78
- TITLE statement 249
- title, X command line option 6
- Tool Editor 51, 180
- toolbox options, X resources 43
- toolboxes 26, 27
 - adding tools 53
 - appearance of, changing 52
 - application-specific 55
 - button size 181
 - changing existing tools 52
 - closing 180
 - creating 54
 - customizing 50
 - deleting tools 54
 - loading 181
 - order of tools 53
 - resources for 50
 - restoring defaults 54
 - saving changes 54
 - window-specific 55
- TOOLCLOSE command 180
- TOOLEEDIT command 180
- TOOLLARGE command 181
- TOOLLOAD command 181
- toolsets 50, 55
- TOOLTIPS command 182
- top-level windows 37
- tracing resources 287
- TRANSLATE function 206
- translating characters 166, 206
- transport formats, on tape 97

U

- UNBUFLOG system option 303
- undoing changes 185
- UNIX commands, executing 12
 - as asynchronous tasks 247
 - CALL SYSTEM routine 198
 - from SAS sessions 12, 251
 - multiple commands 13
 - single commands 12
 - starting a shell 13

- %SYSEXEC macro statement 215
 - without ending SAS session 185
 - X statements in batch mode 14
- UNIX commands, for tape files 121
- UNIX commands, reading from/writing to 114
- UNIX environment name 214
- UNIX environments, supported by SAS re-leases 327
- UNIX print file 152
- uppercase translation 166
- USER data library 94, 95
- USER system option 303

V

- VAR statement, BMDP procedure 221
- variables
 - character 160
 - length of 243
 - numeric 161
- VERBOSE system option 304
- view engines 245
- views 84, 85
- virtual keysyms 57
- visual type ID 77

W

- WAITFOR statement 250
- warnings, case of 278
- WBROWSE command 78, 182
- WCOPY command 183
- WCUT command 183
- WDEF command 184
- Web browser, invoking 182
- wildcards, in pathnames 105
- window managers 21, 36
- windowing environment 4
 - See also* windowing environment, customizing
 - command window 26
 - copying text 24
 - cut-and-paste 24
 - drag and drop 25
 - e-mail 31
 - function keys 22
 - help 33
 - interactive line mode as alternative 274
 - interface 21
 - opening files 28
 - previewing output 31
 - printing 32
 - search and replace 30
 - selecting text 23
 - starting 8
 - terminating SAS sessions 9
 - toolboxes 26, 27
 - working directory, changing 29
 - X Window System and 36

- windows environment, customizing 36
 - colors 66
 - cut-and-paste 73
 - fonts 63
 - host edit support 78
 - key definitions 55
 - miscellaneous resources 77
 - ODS results 72
 - pull-down menus 72
 - session gravity 74
 - session workspace 74
 - summary of SAS resources 79
 - toolboxes 50
 - toolsets 50
 - user-defined icons 76
 - window sizes 74
 - X environment and 36
 - X resources for 38
 - windows
 - colors 166
 - container windows 37
 - copying contents to buffer 183
 - copying contents to files 133, 175
 - copying external files to 178
 - CPARMS resources 69
 - iconizing 33
 - interior windows 37
 - mapping 33
 - printing contents of 131, 170
 - redefining active window 184
 - resizing 41, 75
 - size, customizing 74
 - top-level 37
 - types of 37
 - word searches 215
 - WORK data library 94, 95, 305
 - WORK directories, deleting 320
 - WORK system option 305
 - working directory, changing 29, 167
 - WORKINIT system option 305
 - workspace
 - See* application workspace (AWS)
 - WPASTE command 184
 - WSAVE ALL command 41, 78
 - WUNDO command 185
- X**
- X command 185, 306
 - X command line options 6
 - X resources 38
 - command window options 43
 - customizing 39
 - DMS options 41
 - editing options 42
 - results options 42
 - searching for 48
 - setting with Preferences dialog box 40, 170
 - setting with Resource Helper 44
 - specifying 38
 - toolbox options 43
 - X server 7
 - X statement 251
 - in batch mode 14
 - X synchronization 186
 - X Window System 36
 - interface 21
 - SAS window session ID 37
 - session gravity 37
 - window managers 36
 - window types 37
 - XCMD system option 306
 - xev utility 57
 - xnllanguage, X command line option 7
 - XPM files 41, 78
 - XPRINTER devices 134, 148
 - XPRINTNM system option 307
 - xrm, X command line option 6
 - XSYNC command 186
- Z**
- ZDw.d format 196
 - ZDw.d informat 211
 - zoned decimal data 196, 211

The correct bibliographic citation for this manual is as follows: SAS Institute Inc., *SAS® Companion for UNIX Environments, Version 8*, Cary, NC: SAS Institute Inc., 1999.

SAS® Companion for UNIX Environments, Version 8

Copyright © 1999 by SAS Institute Inc., Cary, NC, USA.

ISBN 1-58025-502-7

All rights reserved. Printed in the United States of America. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without the prior written permission of the publisher, SAS Institute Inc.

U.S. Government Restricted Rights Notice. Use, duplication, or disclosure of the software by the government is subject to restrictions as set forth in FAR 52.227-19 Commercial Computer Software-Restricted Rights (June 1987).

SAS Institute Inc., SAS Campus Drive, Cary, North Carolina 27513.

1st printing, October 1999

SAS® and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries.® indicates USA registration.

Other brand and product names are registered trademarks or trademarks of their respective companies.

The Institute is a private company devoted to the support and further development of its software and related services.