

## ☞ Mail Tools ☞

dxmail	DEC X window mail system
elm	Sends and displays mail messages
mail	Sends and displays mail messages
mailx	Sends and displays mail messages
metamail	Multimedia mail handling
mpack	Pack a file in MIME format
munpack	Unpack a file in MIME format
pgp	Pretty Good Privacy encryption system
pine	Recommended non X window mail program
xbiff	Displays a mailbox and flag image on an X window when mail has arrived

## ☞ Text Processing Tools ☞

cat	Concatenate (list) a file
cut	Displays specified parts from each line of a file
dvips	Convert T <sub>E</sub> X dvi files to PostScript
gftopk	Converts Metafont font files
head	List the beginning of a file
ispell	Spelling checker
latex	LaT <sub>E</sub> X text processing
less	Similar to more, but allows backward movement
mf	Metafont: T <sub>E</sub> X font and logo creation program
more	List a file page by page
nroff	Formats text
paste	Joins corresponding lines of several files or subsequent lines in one file
tail	List the end of a file
tangle	T <sub>E</sub> X Literate programming tool
tex	T <sub>E</sub> X text processing
text1	T <sub>E</sub> X1 text processing
weave	T <sub>E</sub> X Literate programming tool
xdvi	X window preview for T <sub>E</sub> X output

## ☞ Special Command Line Characters ☞

>	Redirect standard output to the file; erase the file first	;	Command separator
>>	Redirect standard output to the file; append to the file	.	Current directory
<	Redirect standard input from the file	..	Parent directory
	Pipe the standard output from one command to the next	/	Directory level separator
?	Single character wildcard	&	Run command in the background
*	Multiple character wildcard	\$	Begin shell variable name
[ . . . ]	One of ... wild card	=	Shell variable assignment

## ☞ Web Tools ☞

combine	Combine images to create new images
dehtml	Removes all html markup from files so that <code>ispell</code> can be used for spell checking
display	Good browser helper that can display many different graphic formats
entify	Replaces 8 bit Latin-1 input by the corresponding 7 bit save entity references
geterr	Can be used after running <code>htmlchek</code> to list all errors in the html markup
geterwrn	Can be used after running <code>htmlchek</code> to list all errors and warnings in the html markup
giftrans	Used to make transparent background color
html-pretty	Prettyprint HTML files
htmlchek	Check for HTML 2.0 and 3.0 errors
htmlsrpl	Search and replace tool for html files
latex2html	Converts LaT <sub>E</sub> X files to html files
lynx	character based www browser
makemenu	Makes a menu and table of contents for HTML files based on the title and header tags of multiple files
metachar	Replaces all html metacharacters found in included text files with their & value
netscape	X window www browser
rducfil	Reduce .NAME/.HREF files (external xref check)
runchek	Cross reference checking using <code>htmlchek</code>
webgif	Used to manipulate colors in a gif
xmosaic	X window www browser
xtraclnk	Extracts links from html files

# UNIX

## Reference Card

Information  
Technology



Washington State  
University

(revised 7/96)

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## ☞ General Commands ☞

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at Runs a command at a particular time  
cd Change working directory  
chmod Change file permissions  
compress Compress files  
convert Converts an input file using one image format to an output file with a differing image format  
cp Copy a file  
date Display today's date  
dbx Debugger  
diff Find file differences  
display Displays many graphic formats on X windows  
dxbook DEC X window documentation viewer  
dxcalc DEC X window calculator  
dxcdfiler DEC X window card file  
dxclock DEC X window clock  
dxdiff X window version of diff  
echo Evaluate and print command line  
exit Leave the UNIX session  
expect Programmed dialogue with interactive programs  
export Make shell environment variable available  
fg Move a background job to the foreground  
file Classify the file contents  
find Find files meeting specified conditions  
ghostview Ghostscript interpretive previewer  
gnuplot GNU interactive plotting program  
grep Search a file for a pattern  
gs Ghostscript interpretive previewer  
gtar GNU tar program  
gunzip Uncompress (expand) files  
gzcat GNU compression/decompression program  
gzip Compress files  
kill Terminate a process  
kinit Get Kerberos ticket with NID  
kpasswd Change NID password  
ln Link to a file  
logout C shell logoff  
lpr Print a file  
ls List directory contents  
make Used to build programs and maintain up-to-date versions of target files  
man View documentation of a command

mathematica Interactive mathematical computation system  
minitab Interactive data analysis software  
mkdir Create a directory  
mpeg\_play Plays mpeg encoded bitstreams using X windows  
mv Move or rename a file  
news Keeps you informed of news concerning the system  
passwd Change your UNIX password  
ps Display process status  
pwd Print working directory  
rm Remove files  
sas The Statistical Analysis System: an integrated X window applications system for data analysis and presentation  
set Read and write variables  
show Show (list) messages  
simusolv Modeling program  
sort Sort files  
spss X window statistical analysis and data management system  
strings Finds strings in an ASCII or binary file  
talk Interactive talking to another user  
tar Saves and restores multiple files to a single file  
tcl Script interpreter programming language  
touch Update the date of a file  
tr Translate characters  
uncompress Uncompress (expand) files  
uniq Removes or lists repeated lines in a file  
uptime Shows how long a system has been up  
w List current system activity  
wc Word count  
who List who is on the system  
xcalc Scientific calculator for X windows  
xclock X window clock  
xmgr X window display and interactive manipulation of images  
xpaint Versatile X window paint program  
xv Interactive image display for X windows

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## ☞ Control Sequences ☞

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ctrl-c Exit a program  
ctrl-d Exit the UNIX session

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## ☞ Network Tools ☞

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archie Archie Internet information system for locating software  
dxterm DEC X window terminal emulator  
ftp Transfer files from one host to another  
gopher Distributed document delivery client  
kermit Transfer files from one host to another using a modem  
telnet Connect to a remote host  
tin Network news reader  
x3270 IBM mainframe remote host access tool  
xarchie X window interface to the Archie Internet information system for locating software  
xgopher Distributed document delivery client for X windows  
xrn X window interface to the USENET news system  
xterm X window terminal emulator

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## ☞ Editors ☞

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dxnotepad Digital editor for X windows  
emacs Edit a file  
pico Edit a file  
vi Edit a file  
xedit X window file editor (similar to CMS)  
xemacs X window file editor

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## ☞ Language/Compilers/Interpreters/Scripts ☞

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awk Finds lines in files and makes specified changes to them  
basic Basic language interpreter/shell  
cc DEC C compiler  
cobol DEC COBOL compiler  
f77 Fortran compiler (older version)  
f90 Fortran compiler  
g++ GNU C++ compiler  
gawk GNU's AWK programming language  
gcc GNU C compiler  
pc DEC Pascal compiler  
perl Practical Extraction and Report Language interpreted language optimized for scanning arbitrary text files  
rexx Interpretive script language