For Detailed Help on IRT use IRT HELP
      (Raytracing Help)
For Detailed Help on Command Language Use PCL HELP
      (Plotting etc)

IRT PROCEDURES:

ADDRAYS, *name*
COMPACT
CONE, *halfang*
CONIC, *e, rad, sol, pol*
CONICX, *e, rad, sol*
DETECTOR
DISP, *dx, dy, dz*
ELLIPSOID, *a, b ,c , sol*
FLAT
FOCUS, *ax*
GETRAYS, *name*
GLASS(*mat, lam*)
GRATING, *nord, d*
GROUP
GROUPEND
HOLOGRAT, *nord, x1, y1, z1, x2, y2, z2, laser*
KNIFE, *edge*
LENS, *index, r1, thick, r2*
MASK, *shape, a, b, xc, yc*
MIRROR
MTF, *freqmax, nbins*
MULTIEND
MULTIPATH
NEW_COORD,*d0,d1,d2,r0,r1,r2,r3,r4,r5,r6,r7,r8*
OBJCA, *ro, nrad, nsec, xc, yc, obd, lamt*
OBJCR, *ri, ro, xc, yc, obd, nr, lamt*
OBJFAN, *sx, nx, sy, ny, xc, yc, obd, lamt*
OBJGR, *sig, xc, yc, obd, nr, lamt*
OBJP, *xc, yc, obd, nr, lamt*
OBJSA, *sx, nx, sy, ny, xc, yc, obd, lamt*
OBJSR, *xl, yl, xc, yc, obd, nr, lamt*
OPROF, *xbin*
OPTIMIZE, *file, par0, par1, -- ,par9*
PUPCA, *ro, nrad, nsec, xc, yc, zc*
PUPCR, *ri, ro, xc, yc, zc*
PUPFAN, *xo, nx, yo, ny, xc, yc, zc*
PUPP, *xo, yo, zo*
PUPSA, *xo, nx, yo, ny, xc, yc, zc*
PUPSR, *xo, yo, xc, yc, zc*
PV, *n*
QRMS(*ax*)
RAYS, *theta, phi, nf, nl*
REFRACT, *index*
RETRACE
RFOC, *zmin, zmax*
RMS(*ax*)

ROT, *dx, dy, dz*
RPROF, *rbin, xc, yc*
RSPOT, *nel*
SAVERAYS,   *name*
SIMPLEX, *file, par0, par1, **--** ,par9*
SPOT, *scale*
SPOTS, *theta, phi, nf, nl*
THIN, *f*
TORUS, *rx, ry*
TRANGRAT, *nord, d*
TRAVEL, *ax, dis*
UNTRACE
VIEW, *theta, phi, nf, nl*
XFOC, *zmin, zmax*
XPROF, *xbin, xc*

PCL PROCEDURES

ABS(x)
ACOS(x)
ASIN(x)
ATAN(x)
ATAN2(y, x)
AVERAGE(x)
CLOSEPLOT
CONTINUE
COS(x)
DATE()
END
ERASE
EXIT
EXP(x)
FABS(x)
FCLOSE, lun
FIX(x)
FLOAT(x)
FLTARR(n)
FOPEN(name, rw)
FPRINTF, lun, x1, x2, …
HISTOGRAM(x, bin, xmin, xmax)
INDICES(n)
INTARR(n)
LOG(x)
LOG10(x)
MAX(x)
MIN(x)
LENGTH(x)
OPLOT, x, y, color
PAUSE
PLOT, x, y, color
POW(x, y)
PRINT, x1, x2, …
PRINTF, x1, x2, …
QUIT
READD(filenum, nvalues)

READI(filenum, nvalues)
READS(filenum)
SIGMA(x)
SIN(x)
SQRT(x)
STRING(x)
TAN(x)
TOTAL(x)
WHERE(x)