NAME

   SAOfocus – compute geometric focus and RMS focus

VERSION

   SAOfocus Version D19990113

PARAMETERS

   SAOfocus uses an IRAF-compatible parameter interface. A template parameter file is in */proj/axaf/simul/lib/uparm/SAOfocus.par*.

   input: *input file*

   This parameter specifies the name of the file/stream for the input `bpipe`. If the filename is the string `stdin`, it reads UNIX standard input.

   output: *output file*

   This parameter specifies the name of the file/stream for the output `bpipe`. If the filename is the string `stdin`, it write to UNIX standard output.

   logfile: *log file*

   This parameter specifies the name of the file to contain the raytrace summary and error messages.

   gi_filename: *OSAC-style 'gi' file*

   This parameter specifies the name of the OSAC-style 'gi' file containing the optic prescription.

   onlygoodrays: `yes|no`
   NOTE: *This parameter* **must** *be set to* **no**.

   help: `yes|no`

   Print out a simple help message and exit.

   version: `yes|no`

   Print out SAOfocus's version and exit.

   debug: *list*

   A list of debug flags. None are presently defined.

DESCRIPTION

   SAOfocus reads BPipe format rays and finds the focus position minimizing RMS spot size. The rays are moved to a specified focal plane (see the OSAC V7.0 manual for a description of the ''gi'' file parameters) and the Z–coordinate is set to 0.0.

   Note that `onlygoodrays = yes` is required for correct operation of this module.

OTHER

   This version of `SAOfocus` makes extensive use of routines from the NASA Goddard Space Flight Center code `OSAC`, ''Optical Surface Analysis Code''.