

**NAME**

projray – project rays to a X–Y plane

**DESCRIPTION**

**projray** projects rays to a X–Y plane with a given Z coordinate value. It reads and writes **bpipe** formatted ray streams.

**PARAMETERS**

**projray** uses an IRAF-compatible parameter interface.

The following parameters are available:

**input file**

Input ray stream. If the filename is the string `stdin`, it reads the UNIX standard input stream. It accepts rays in **bpipe** format.

**output file**

Output ray stream. If the filename is the string `stdout`, it writes to the UNIX standard output stream. It writes rays in **bpipe** format.

**z float**

The Z position of the plane to which the rays will be projected.

**debug list**

A list of debug flags. The following are defined:

**save-history**

If specified, the new position and direction are prepended the existing list stored in the ray packet, rather than replacing the previous current values.

**version boolean**

Print out **throttle**'s version and exit.

**help boolean**

Print out help and exit.

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**VERSION**

This documents version 1.0.3\_01 of **projray**.

**AUTHOR**

Diab Jerius <djerius@cfa.harvard.edu>