

BRL-CAD Commands Quick Reference

Miscellaneous

mged start mged with default graphical user interface (GUI)

brlman display manual pages for BRL-CAD software

mst construct a minimum spanning tree for an input graph

- specifying an option for something

benchmark runs the BRL-CAD benchmark

nirt cast individual ray and choose information reported

Animation

anim_cascade Evaluate movement of one object relative to another

anim_time Estimate appropriate time parameters for a path

Convert

-g Convert output format to BRL-CAD.

g- Convert from BRL-CAD to an output format

asc2g convert mged geometry database in ASCII to binary form

g2asc convert mged geometry database in binary to ASCII form

Modelling

fence make a model of a fence

tire make a model of a tire

Vegetation make a model of a tree

By Alexander Lotsu

Options

Options are called with a – symbol before text. By convention they are lower case for file information and upper case for screen info.

-h Increase default screen and file size to 1024x1024

-I Inverse flag.

-c clear screen first

-z zoom in on current area of display

Database Maintenance

dbupgrade mged geometry databases files to the current version

remapid Perform batch modifications of regions IDs in a BRL-CAD or TANKILL model

rtweight Calculate weight, centroid, and volume data for a BRL-CAD model.

Texture scale Scale a pix(5) stream to map onto a curved solid

Image Support Tools

Pix* Convert a pix(5) stream to a format

***Pix** Convert a image stream to pix(5) format

fb* Save contents of a frame buffer to a data file

***fb** Display a format stream on a frame buffer

Rendering

rtwizard Tcl/tk-based front end to the ray tracer

rtedge Creates line-art renders of models

rt primary ray-tracer for rendering images

rtsrv remote network ray- tracing server

remrt remote ray-trace dispatcher

rtshot pass a ray through a model to see what it hits