

Shape Interrogation for CAD/CAM

geod.c

Given an open NURBS surface, the geodesics are computed at a specified number of (nsegu & nsegu) points along the surface boundary (in v and u) w/ initial directions orthogonal to the boundary curves.

Do:

```
prompt> make geod
```

```
prompt> geod [-s step_size] [-u number_of_segments_per_u-knot_span] [-v  
number_of_segments_per_v-knot_span] [-o output_file_for_geod] input_surface_file
```

Output: Resulting geodesics in .VECT format

Example:

```
prompt> geod -s 0.01 -u 20 -v 20 -o geod.VECT s.SURF
```

Note: For the file format of the input surface (s.SURF) and the output (geod.VECT), see [../README.pdf](http://www.cadcam.org/README.pdf)