

# CS519 Project 2

Elliptical Dots

## 1 source files

There are only two files labone.rib and labone.sl.

## 2 a simple explanation

What I did are:

- Follow the hint in Stripes, Rings and Dots. Create an eclipse formula. For given parameter of the formula, I replaced Diam with Ad and Bd to represent the eclipse. Other stuff just remain the same.
- Load a vase.rib to represent my object. That is just replace the sphere in rib file with those tons of polygons.
- After these two steps it came out with very tiny dots on the objects, even i chance my Ad and Bd. The dots can not grow bigger, actually stay in as large as in a single face. Then I went to the notes and find out it may be deal with u,v. After I changed my up to  $2 * xcomp(P)$ , which is X component of a point. And similarly done changes on vp. After that it gives out the desired image.

## 3 result

