



The ball's outline can be seen when the ball is spinning. A white background can make it easier to see. When first mounted in the cup the long grain of the wood will be perpendicular to the lathe ways.

Light cuts are essential. Below the first cut was made from right to left. Note the line at the top is the center of the face of the 8 sided figure.



Next a matching cut will be made from left to right. Repeated cuts from will remove the material down to the ball. Watch the solid outline of the ball and cut away the fizzy image produced by the air and wood outside of the sphere. Once you have cut to the line or very close to it, remove the gouge ridges with light scraping cuts.

Rotate the ball 90 degrees and shape the ball using light scraping cuts.

The rotation of the ball should follow a sequence through three axes. End grain to centers, side grain to centers, face grain to centers.

Repeat this process until the ball is nearly round. Sand the ball going through the 3 rotations for each grit. Sanding at 45 degrees to the rotation and keeping the paper moving will shape and smooth the ball quickly. Don't sand a flat. With the face grain at the centers on the last sanding with each grit, the sanding marks will be hidden in the grain lines.

