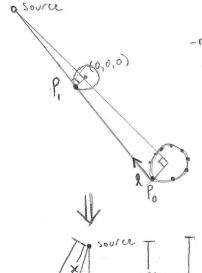
Reconstructor:

1. Using angles and contour points convert coordinates from (U,V,O) to (X,Y,Z)

$$\begin{bmatrix} X \\ Y \end{bmatrix} = \begin{bmatrix} \cos(\alpha) & \sin(\alpha) & 0 \\ -\sin(\alpha) & \cos(\alpha) & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & \cos(\beta) & \sin(\beta) \\ 0 & -\sin(\beta) & \cos(\beta) \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & 1 & 0 \end{bmatrix} \begin{bmatrix} 0 & 0 \\ -750 \\ 0 & 0 \end{bmatrix}$$

2. rotate source point about bean isocenter and find the direction vector from each image point to the source.



-need to find coordinates of P.

These 2 triangles are similar so we can use the dimensions of the larger triangle to find x and then t y = |P, -(0, -750, 0)| $K = \sqrt{1500^2 + y^2}$

$$\frac{X}{750} = \frac{1500}{k} \\ X = \frac{1500(750)}{k}$$

Repeat this process for every point in the contour, for every contour in the list

Create a surface model using the delauray triangulation