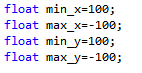
**Rose Curve**

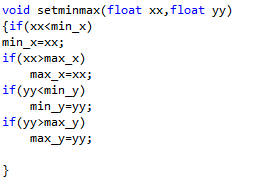
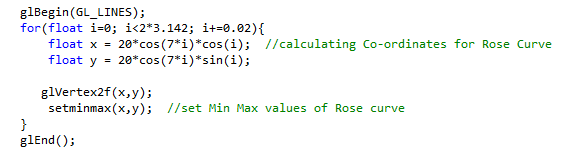
Parametric Equation for Rose Curve:

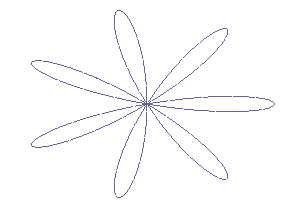
X = K \* cos( n \* θ ) \* cos( n \* θ )

Y = K \* cos( n \* θ ) \* sin( n \* θ )

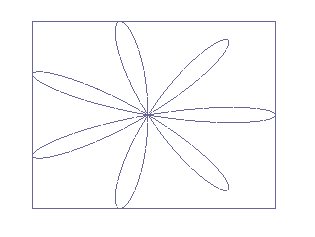
Pseudocode for Drawing Curve: (including min-max ranges calcutaion)

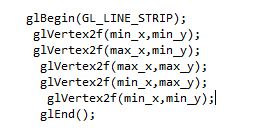


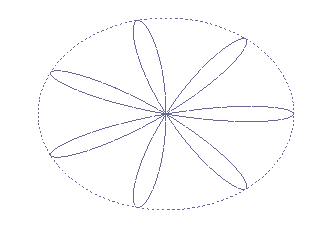


* This will draw rose curve with seven (7) petals having patel length of 20 units. Figure for this code is as following:

Now for sketching Bounding Box / Bounding circle, we will use min max values as support. Pseudocode for bounding box and bounding circle will be as :

****

**Bounding Box:**



**Bounding Circle:**

