This program allowed us to generate the area taken up by each generation

function out=GetCurvatures(a,b,c,d,e)

List=[];

RadList=[];

output=[];

f=0;

f1=0;

f2=0;

f3=0;

f4=0;

f5=0;

f6=0;

f7=0;

f8=0;

f9=0;

f10=0;

List=GetCurvatures(a,b,c,d,e)';

RadList=List.^(-2);

for n=2:1:4

f=f+RadList(n);

end

for k=5:1:8

f1=f1+RadList(k);

end

for j=9:1:20

f2=f2+RadList(j);

end

for l=21:1:56

f3=f3+RadList(l);

end

for m=57:1:164

f4=f4+RadList(m);

end

for g=165:1:488

f5=f5+RadList(g);

end

for h=489:1:1460

f6=f6+RadList(h);

end

for i=1461:1:4376

f7=f7+RadList(i);

end

for n=4377:1:13124

f8=f8+RadList(n);

end

for q=13125:1:39368

f9=f9+RadList(q);

end

output=[f;f1;f2;f3;f4;f5;f6;f7;f8;f9];

out=output;