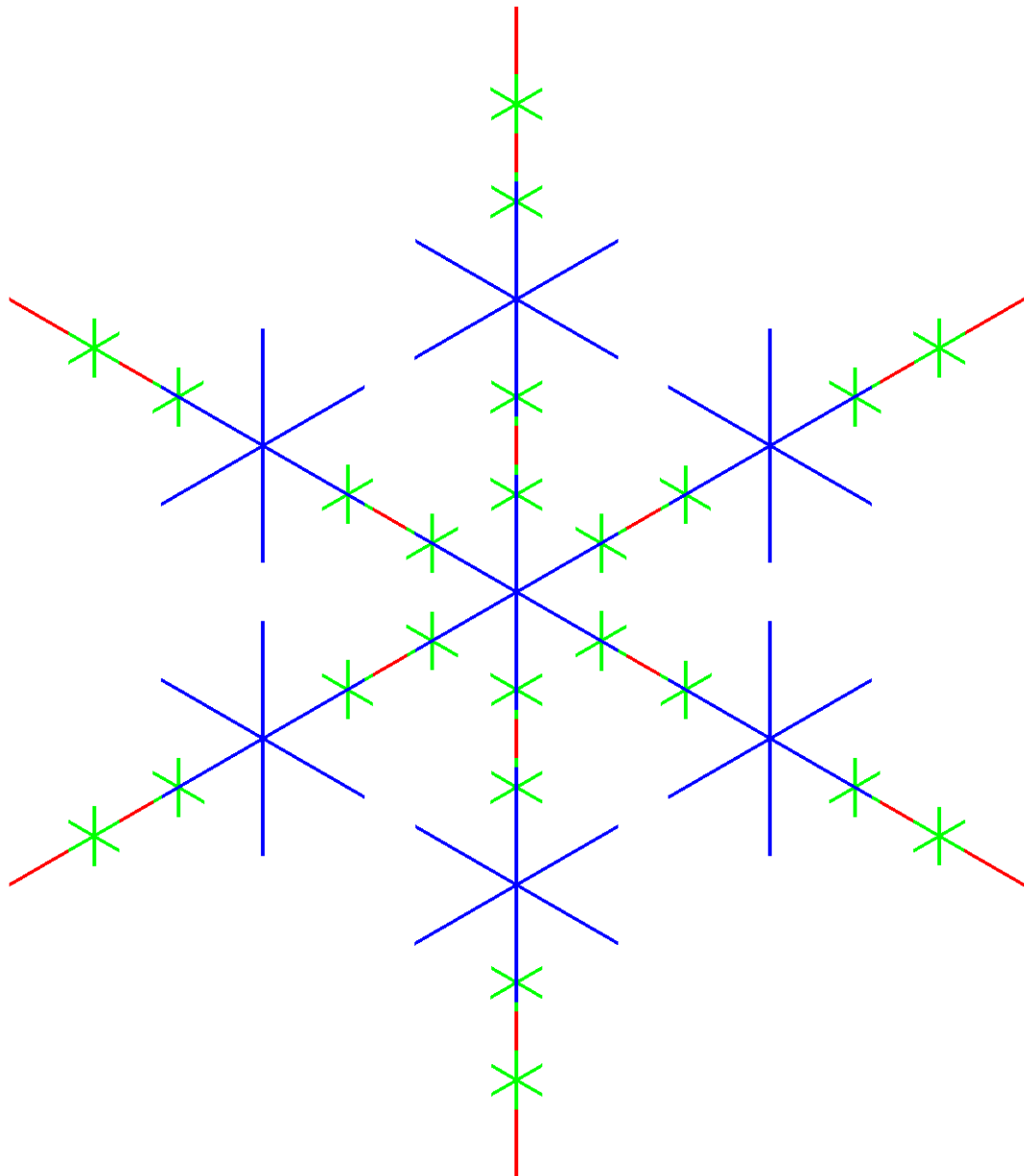


D3 dendrite

```
[ > with(plots):  
[ > with(plottools):  
[ >  
[ > f:=(x,alf,koef,pa,pb)->[((pa+x[1]*koef)*cos(alf)-(pb+x[2]*koef)*  
sin(alf)) , ((pa+x[1]*koef)*sin(alf)+(pb+x[2]*koef)*cos(alf))]:  
[ >  
[ > jakr:=color=maroon, linestyle=1, thickness=4:  
[ > jakb:=color=blue, linestyle=1, thickness=4:  
[ > jakg:=color=red, linestyle=1, thickness=4:  
[ > jakv:=color=green, linestyle=1, thickness=4:  
[ >  
[ > LIS:=[[0,6],  
[0,0],[-3*sqrt(3),-3],[0,0],[3*sqrt(3),-3],[0,0],[-3*sqrt(3),3],  
[0,0],[3*sqrt(3),3],[0,0],[0,-6] ]:  
[ > S:=curve(LIS, jakg):  
[ >  
[ >  
[ >  
[ >  
[ >  
[ > FT1:=seq(curve(map(f,LIS,0, .05 , 0 , ppp ), jakv),ppp=-5..5):  
[ > FT2:=seq(curve(map(f,LIS,Pi/3, .05 , 0 , ppp ),  
[ > jakv),ppp=-5..5):  
[ > FT3:=seq(curve(map(f,LIS,-Pi/3, .05 , 0 , ppp ),  
[ > jakv),ppp=-5..5):  
[ > FT4:=seq(curve(map(f,LIS,0, .2 , 0 , 3*ppp ), jakb),ppp=-1..1):  
[ > FT5:=seq(curve(map(f,LIS,Pi/3, .2 , 0 , 3*ppp ),  
[ > jakb),ppp=-1..1):  
[ > FT6:=seq(curve(map(f,LIS,-Pi/3, .2 , 0 , 3*ppp ),  
[ > jakb),ppp=-1..1):  
[ >  
[ > plots[display](FT4,FT5,FT6,FT1,FT2,FT3,S,scaling=constrained,axe  
s=none);
```



```
[ >  
[ >  
[ >  
[ >  
[ >  
[ >  
[ >
```

```
> plotsetup(ps,plotoutput=`A.ps`,plotoptions=`noborder,  
axisheight=10cm,axiswidth=10cm,portrait,color`);  
> plotsetup(gif,plotoutput=`A.gif`,plotoptions=`noborder,  
axisheight=10cm,axiswidth=10cm,portrait,color`);
```