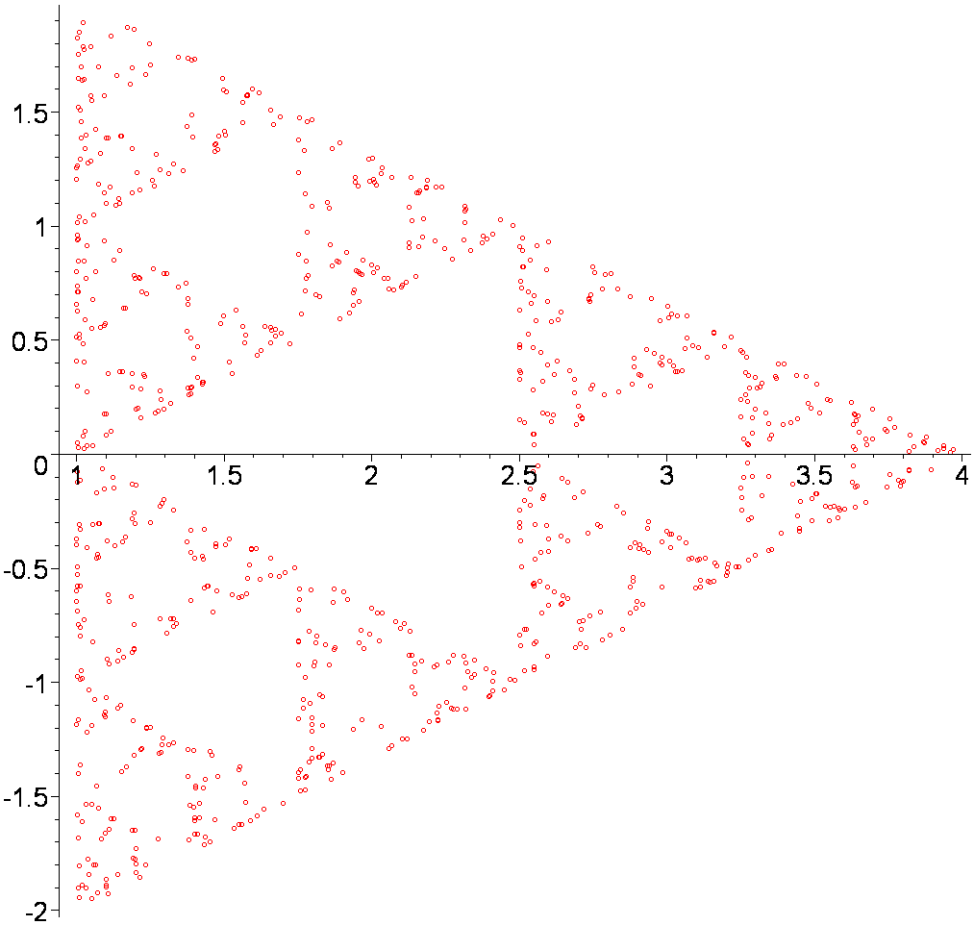
Sierpinskeho trojuhelnik

```
> with(plots): with(plottools):
>
> C:=4:
> B:=1-2*I:
> A:=1+2*I:
>
> pa:=1/2:
> pb:=1/2:
> pc:=1/2:
> T:=0 + 0*I:
> kolikbodu:=1500:
>
> mov:=proc(t)
   cislo:=rand();
   if (cislo<333333333333) then
       RETURN (Re(A)+ (Re(t)-Re(A))*pa + I*(Im(A)+
  (Im(t)-Im(A))*pa))
   else if (cislo<666666666666) then
       RETURN (Re(B)+ (Re(t)-Re(B))*pb + I*(Im(B)
  +(Im(t)-Im(B))*pb))
   else
       RETURN (Re(C)+ (Re(t)-Re(C))*pc + I*(Im(C)+
  (Im(t)-Im(C))*pc));
   fi
   fi;
   RETURN
   end:
Warning, `cislo` is implicitly declared local to procedure `mov`
>
> body[0]:=0;
```

$$body_0 := 0$$

```
> for h from 1 to kolikbodu do
  body[h]:=mov(body[h-1]);
  od:
>
>
> points:=seq(body[i],i=100..kolikbodu):
> complexplot({points},style=point,symbol=circle);
```


1.5
1
0.5
0
-0.5
-1
-1.5
-2
1
1.5
2
2.5
3
3.5
4

>

>