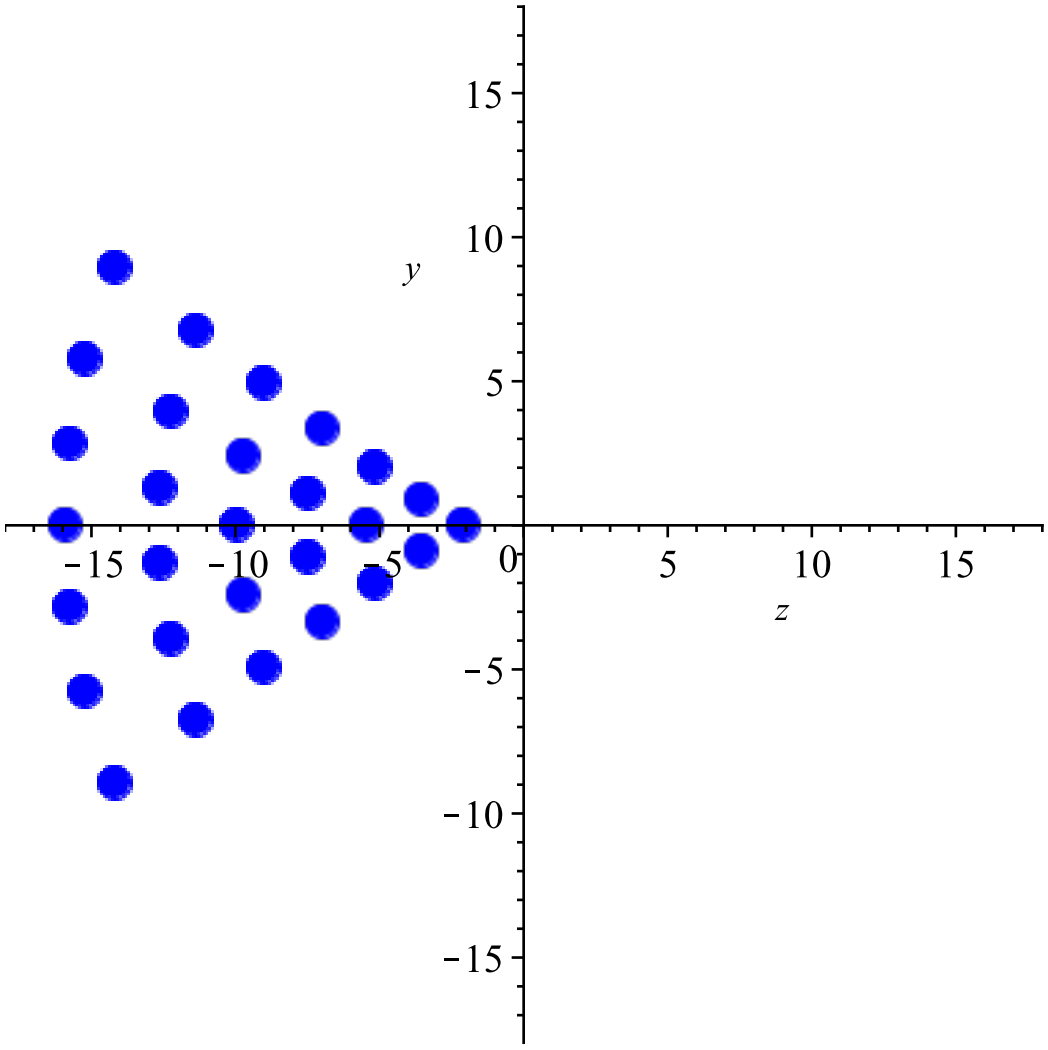
```
> restart;with(plots):with(linalg):alias(w=w(z)):
> phi:=(mu,a)->simplify(LaguerreL(2*a-1,mu-2*a+1,-z)):
> tau:=(mu,n)->collect(det(Wronskian([phi(mu,n),seq(diff(phi(mu,n),z$(2*j-2))
  ,j=2..n)],z)),z,factor):
> n:=7;
```

$$n := 7 \tag{1}$$

```
> T:=4725*945*subs(z=z+mu,collect(subs(z=z-mu,tau(mu,n)),z,factor)):
> mu:=10;
```

$$\mu := 10 \tag{2}$$

```
> RootOf(T,z):A:=allvalues(%):
> #animate( complexplot, [[A],thickness=4,color=blue,symbolsize=25],mu=-10..10,style=point,symbol=
  solidcircle,frames=200);
> complexplot([A],z=-18..18,y=-18..18,style=point,symbol=solidcircle,color=blue,symbolsize=25);
```



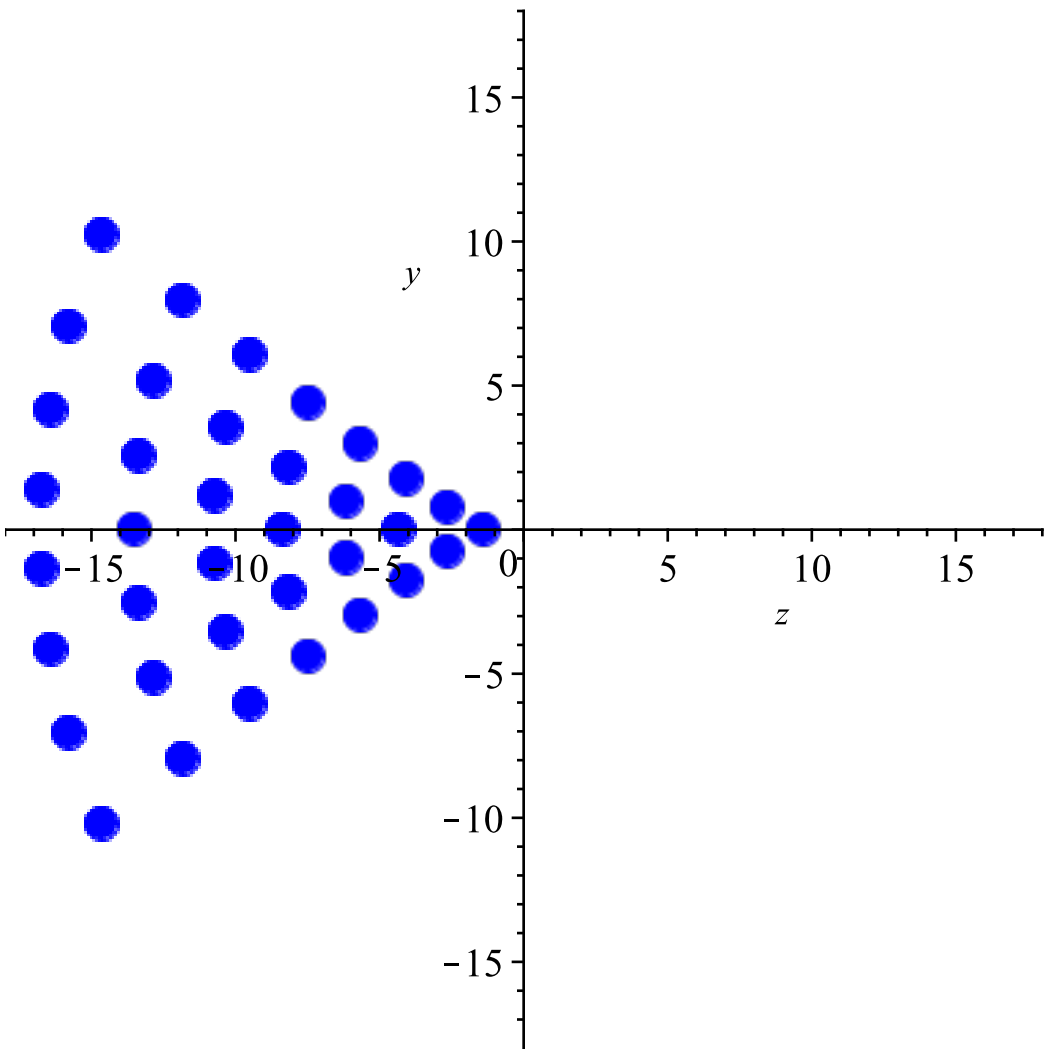

```
> restart;with(plots):with(linalg):alias(w=w(z)):
> phi:=(mu,a)->simplify(LaguerreL(2*a-1,mu-2*a+1,-z)):
> tau:=(mu,n)->collect(det(Wronskian([phi(mu,n),seq(diff(phi(mu,n),z$(2*j-2))
  ,j=2..n)],z)),z,factor):
> n:=8;
```

$$n := 8 \tag{3}$$

```
> T:=4725*945*subs(z=z+mu,collect(subs(z=z-mu,tau(mu,n)),z,factor)):
> mu:=10;
```

$$\mu := 10 \tag{4}$$

```
> RootOf(T,z):A:=allvalues(%):
> #animate( complexplot, [[A],thickness=4,color=blue,symbolsize=25],mu=-10..10,style=point,symbol=
  solidcircle,frames=200);
> complexplot([A],z=-18..18,y=-18..18,style=point,symbol=solidcircle,color=blue,symbolsize=25);
```



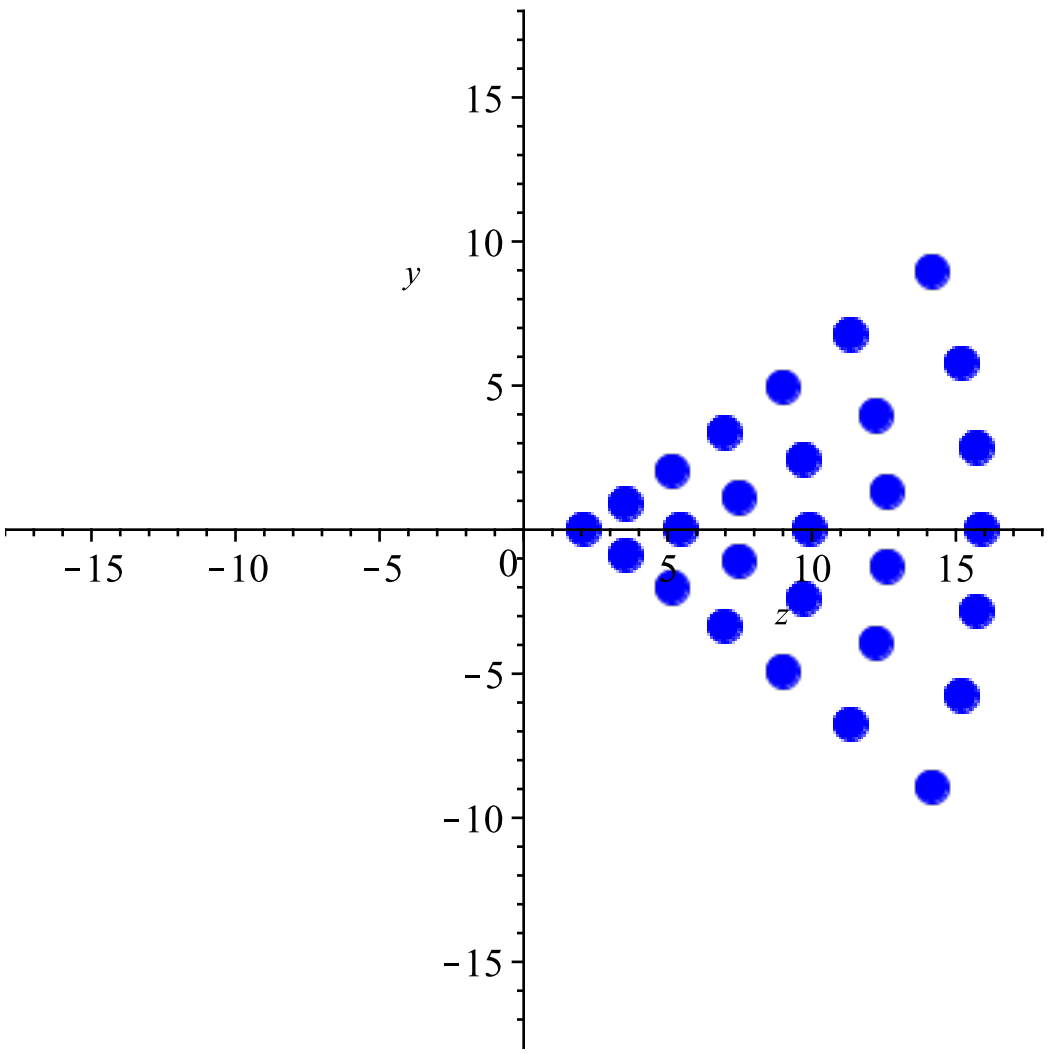

```
> restart;with(plots):with(linalg):alias(w=w(z)):
> phi:=(mu,a)->simplify(LaguerreL(2*a-1,mu-2*a+1,-z)):
> tau:=(mu,n)->collect(det(Wronskian([phi(mu,n),seq(diff(phi(mu,n),z$(2*j-2))
  ,j=2..n)],z)),z,factor):
> n:=7;
```

$$n := 7 \tag{5}$$

```
> T:=4725*945*subs(z=z+mu,collect(subs(z=z-mu,tau(mu,n)),z,factor)):
> mu:=-10;
```

$$\mu := -10 \tag{6}$$

```
> RootOf(T,z):A:=allvalues(%):
> #animate( complexplot, [[A],thickness=4,color=blue,symbolsize=25],mu=-10..10,style=point,symbol=
  solidcircle,frames=200);
> complexplot([A],z=-18..18,y=-18..18,style=point,symbol=solidcircle,color=blue,symbolsize=25);
```



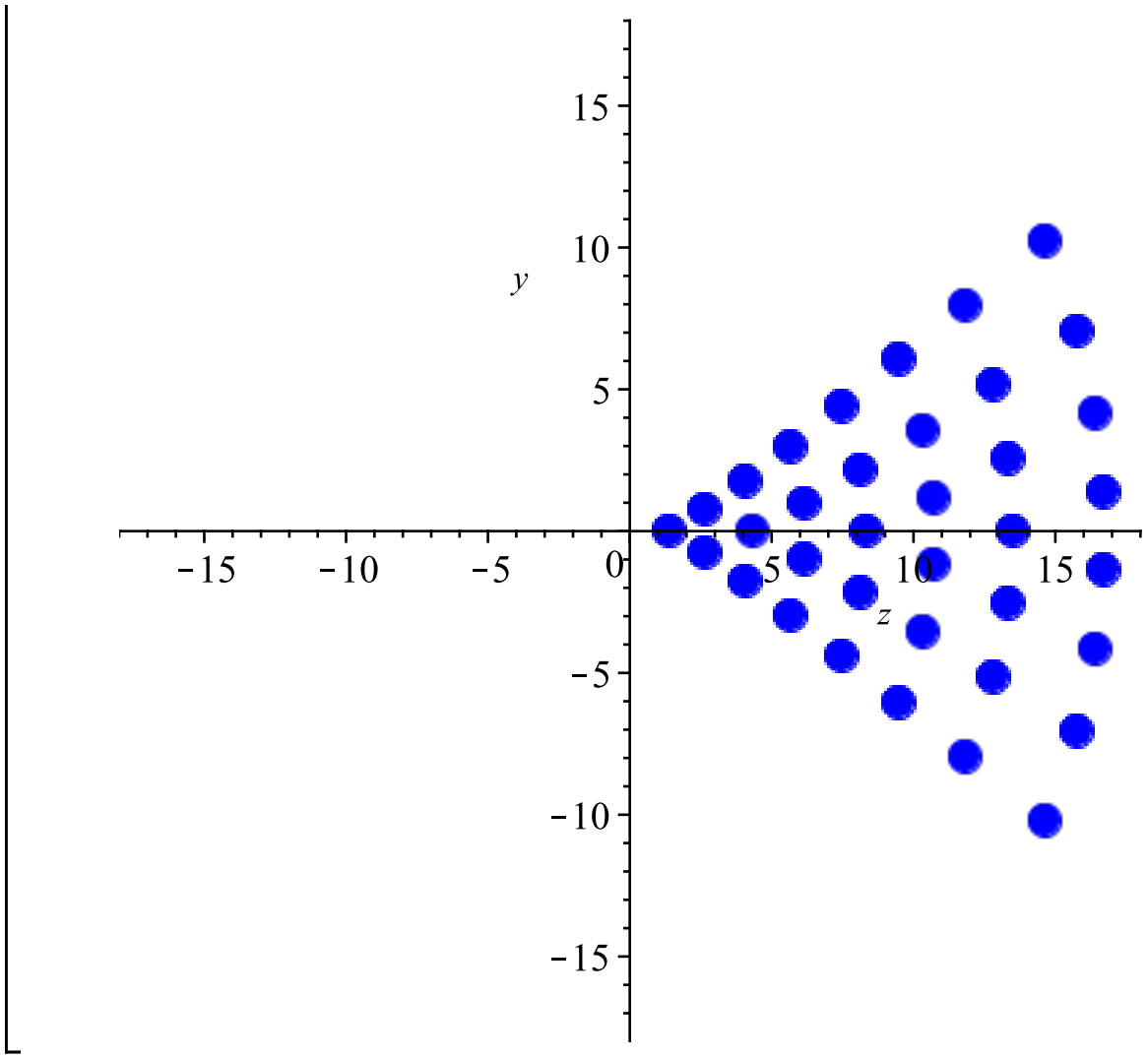

```
> restart;with(plots):with(linalg):alias(w=w(z)):
> phi:=(mu,a)->simplify(LaguerreL(2*a-1,mu-2*a+1,-z)):
> tau:=(mu,n)->collect(det(Wronskian([phi(mu,n),seq(diff(phi(mu,n),z$(2*j-2))
  ,j=2..n)],z)),z,factor):
> n:=8;
```

$$n := 8 \tag{7}$$

```
> T:=4725*945*subs(z=z+mu,collect(subs(z=z-mu,tau(mu,n)),z,factor)):
> mu:=-10;
```

$$\mu := -10 \tag{8}$$

```
> RootOf(T,z):A:=allvalues(%):
> #animate( complexplot, [[A],thickness=4,color=blue,symbolsize=25],mu=-10..10,style=point,symbol=
  solidcircle,frames=200);
> complexplot([A],z=-18..18,y=-18..18,style=point,symbol=solidcircle,color=blue,symbolsize=25);
```


15
10
y
5
−15
−10
−5
0
5
10
15
z
−5
−10
−15