```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
  k-1],k=1..n-1)],z));
```
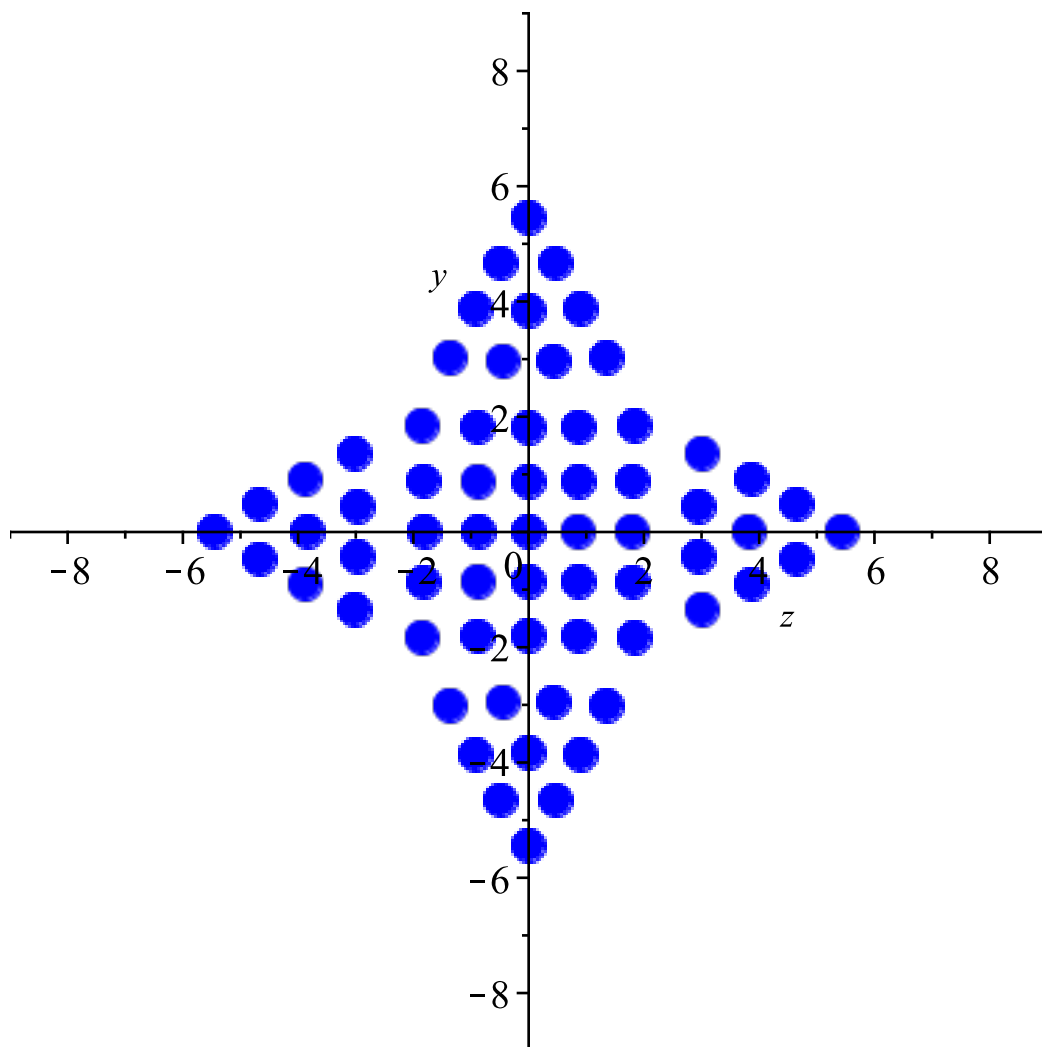
$$Q := (m, n) \rightarrow linalg{:}{-}det\Big(linalg{:}{-}Wronskian\Big(\big[seq\big(\phi_{3j-2}, j=1..m+n-1\big), seq\big(\phi_{3k-1}, k=1 \tag{1}$$
$$..n-1\big)\big], z\Big)\Big)$$

```
> Q(5,5):
>  RootOf(%,z):J2:=evalf(allvalues(%)):
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```



```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
```
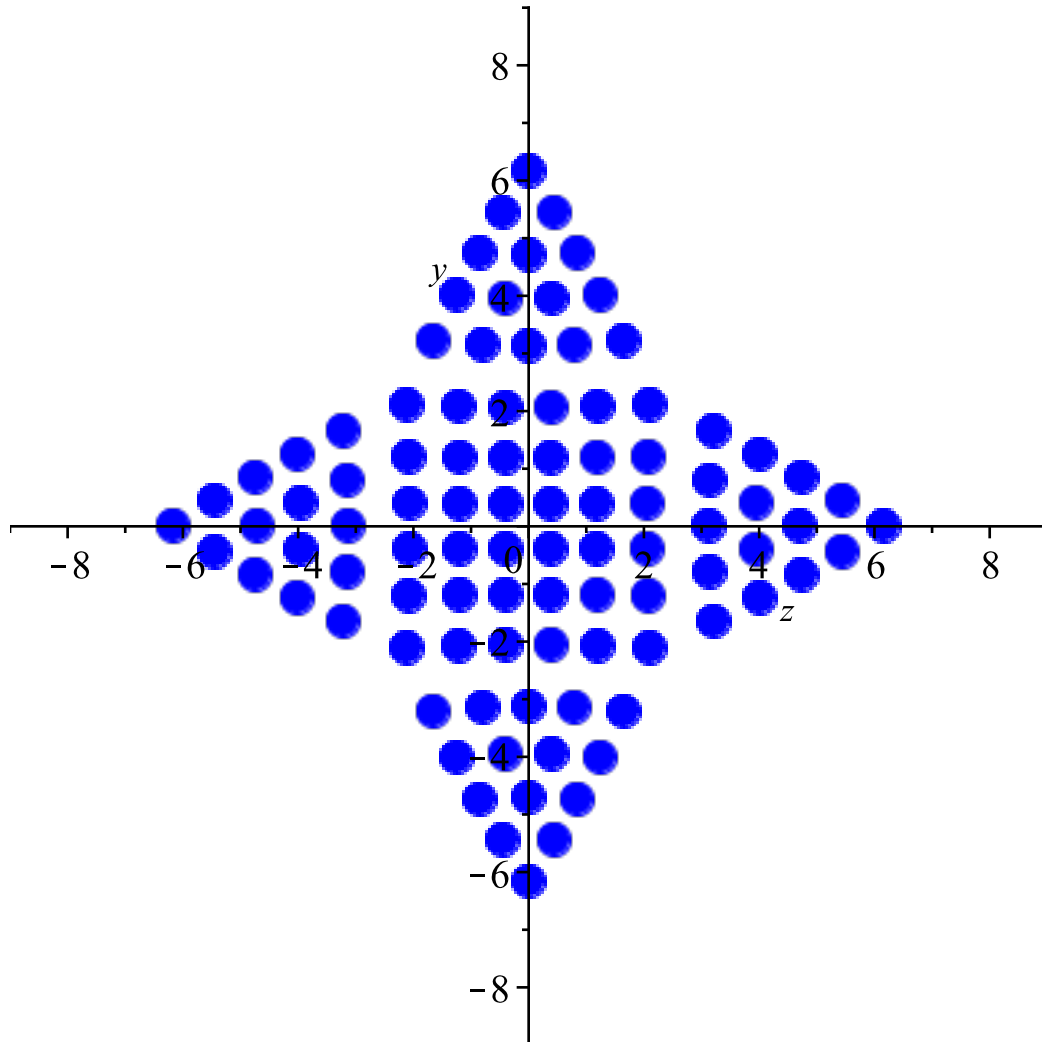
```
    k-1],k=1..n-1)],z));
```

$$Q := (m, n) \rightarrow \textit{linalg:-det}\Big(\textit{linalg:-Wronskian}\Big(\Big[\textit{seq}\big(\phi_{3j-2}, j=1..m+n-1\big), \textit{seq}\big(\phi_{3k-1}, k=1 \qquad \textbf{(2)}$$
$$..n-1\big)\Big], z\Big)\Big)$$

```
> Q(6,6):
>   RootOf(%,z):J2:=evalf(allvalues(%)):
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```



```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
  k-1],k=1..n-1)],z));
```
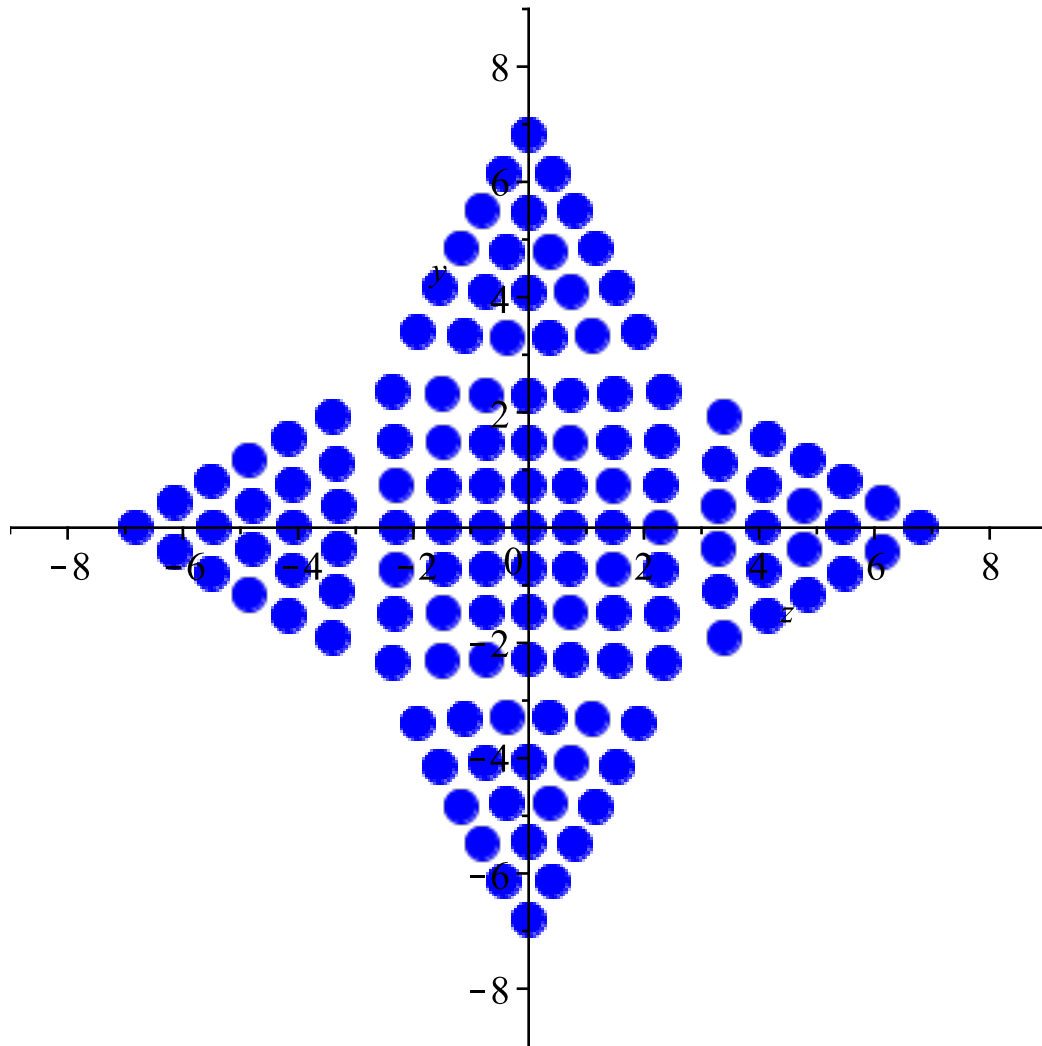
$$Q := (m, n) \rightarrow \textit{linalg:-det}\Big(\textit{linalg:-Wronskian}\Big(\Big[\textit{seq}\big(\phi_{3j-2}, j=1..m+n-1\big), \textit{seq}\big(\phi_{3k-1}, k=1 \qquad \textbf{(3)}$$
$$..n-1\big)\Big], z\Big)\Big)$$

```
> Q(7,7):
>   RootOf(%,z):J2:=evalf(allvalues(%)):
```

```
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```



```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
  k-1],k=1..n-1)],z));
```
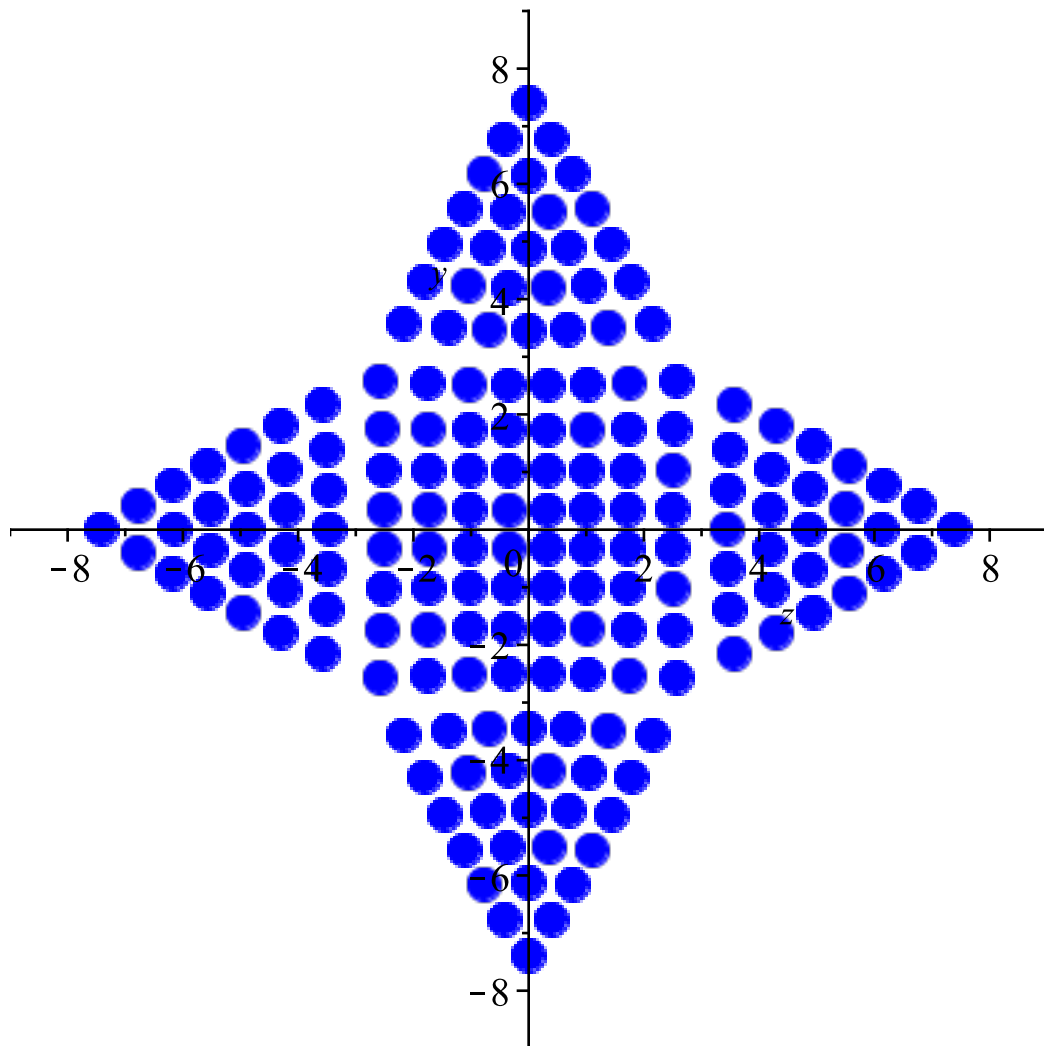
$$Q := (m, n) \rightarrow \textit{linalg:-det}\Big(\textit{linalg:-Wronskian}\Big(\Big[\textit{seq}\big(\phi_{3j-2}, j = 1 ..m + n - 1\big), \textit{seq}\big(\phi_{3k-1}, k = 1 \qquad \textbf{(4)}$$
$$..n - 1\big)\Big], z\Big)\Big)$$

```
> Q(8,8):
>   RootOf(%,z):J2:=evalf(allvalues(%)):
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```
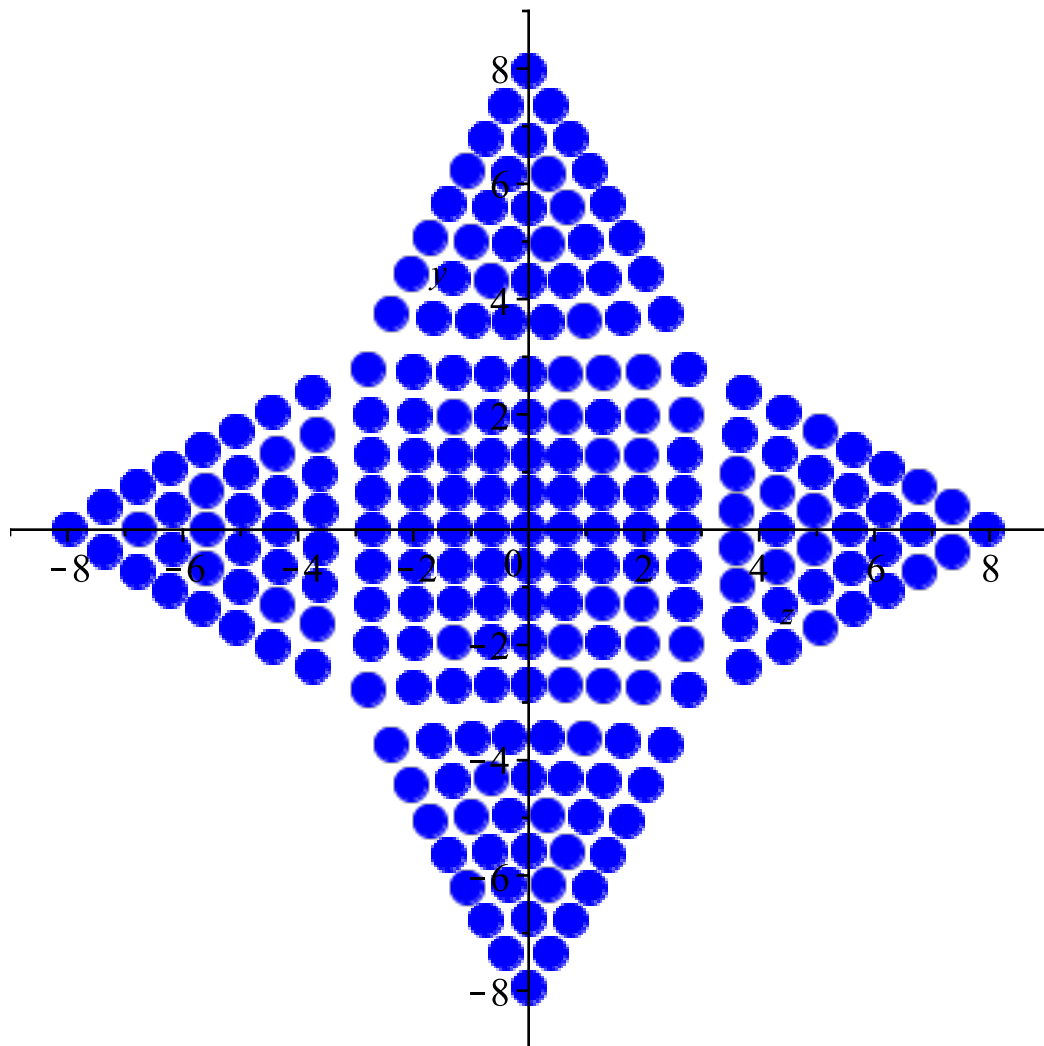
```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
  k-1],k=1..n-1)],z));
```

$$Q := (m, n) \rightarrow linalg\text{-}det\Big(linalg\text{-}Wronskian\Big(\Big[seq\big(\phi_{3j-2}, j=1..m+n-1\big), seq\big(\phi_{3k-1}, k=1 \quad \textbf{(5)}$$
$$..n-1\big) \Big], z \Big) \Big)$$

```
> Q(9,9):
>  RootOf(%,z):J2:=evalf(allvalues(%)):
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```

```
> restart:
> with(linalg):with(plots):with(LinearAlgebra[Modular]):with
  (orthopoly):
> PP:=taylor(exp(2*z*lambda+3*lambda^2),lambda=0,72):
> for n from 1 to 70 do phi[n]:=coeff(PP,lambda,n); od:n:='n':
> Q:=(m,n)->det(Wronskian([seq(phi[3*j-2],j=1..m+n-1),seq(phi[3*
  k-1],k=1..n-1)],z));
```

$$Q := (m, n) \rightarrow linalg\text{:-}det\Big(linalg\text{:-}Wronskian\Big(\Big[seq\big(\phi_{3j-2}, j=1\,..m+n-1\big), seq\big(\phi_{3k-1}, k=1 \\ ..n-1\big)\Big], z\Big)\Big)$$

(6)

```
> Q(10,10):
>  RootOf(%,z):J2:=evalf(allvalues(%)):
> complexplot([J2],z=-9..9,y=-9..9,style=point,symbol=solidcircle,
  color=blue,symbolsize=25);
```