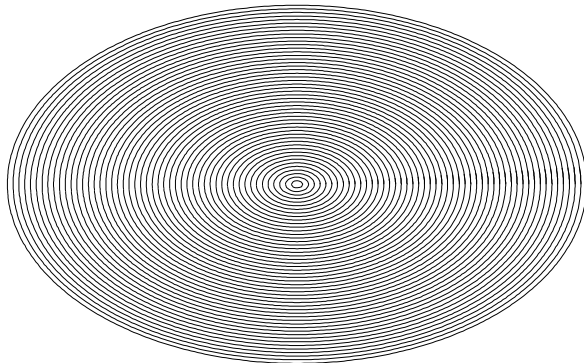


Ueberlagerungen von Kreisgitter und Parallelgitter

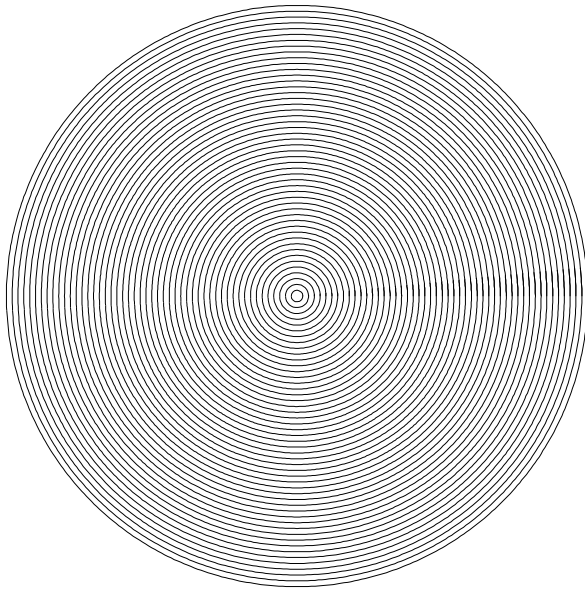
Kreisgitter:

Eine Kreisserie wird ein wenig gegen eine andere verschoben. Es entstehen damit Muster.

```
tab1 = Table[Circle[{0, 0}, r], {r, 0.2, 10, 0.2}];  
tab2 = Table[Circle[{0, 0.1}, r], {r, 0.2, 10, 0.2}];  
tab2 = Table[Circle[{0, 0.2}, r], {r, 0.2, 10, 0.2}];  
tab3 = Table[Circle[{0, 0.3}, r], {r, 0.2, 10, 0.2}];  
tab4 = Table[Circle[{0, 0.4}, r], {r, 0.2, 10, 0.2}];  
tab5 = Table[Circle[{0, 0.5}, r], {r, 0.2, 10, 0.2}];  
  
Show[Graphics[tab1]];
```



```
s1 = Show[Graphics[tab1], AspectRatio → Automatic];
```



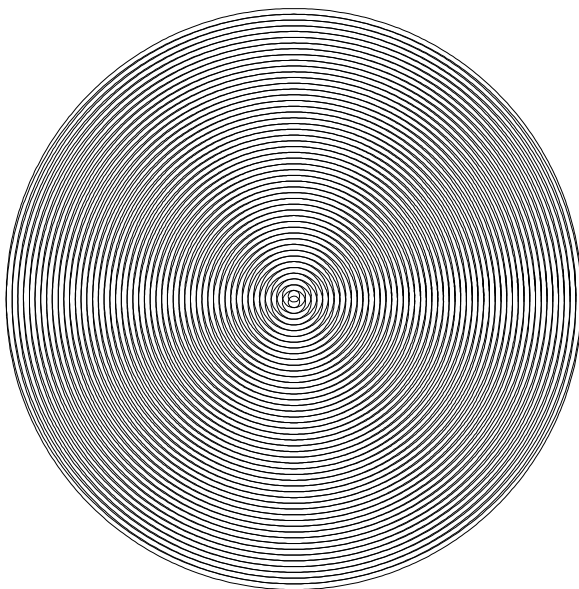
```
s2 = Show[Graphics[tab2], AspectRatio → Automatic];
```

```
s3 = Show[Graphics[tab3], AspectRatio → Automatic];
```

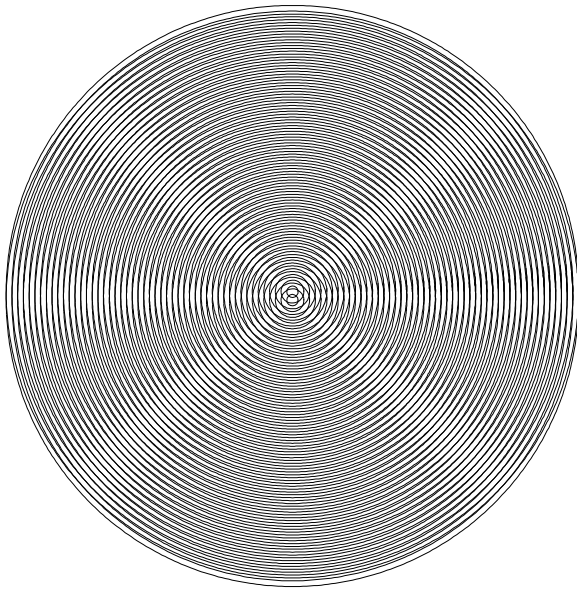
```
s4 = Show[Graphics[tab4], AspectRatio → Automatic];
```

```
s5 = Show[Graphics[tab5], AspectRatio → Automatic];
```

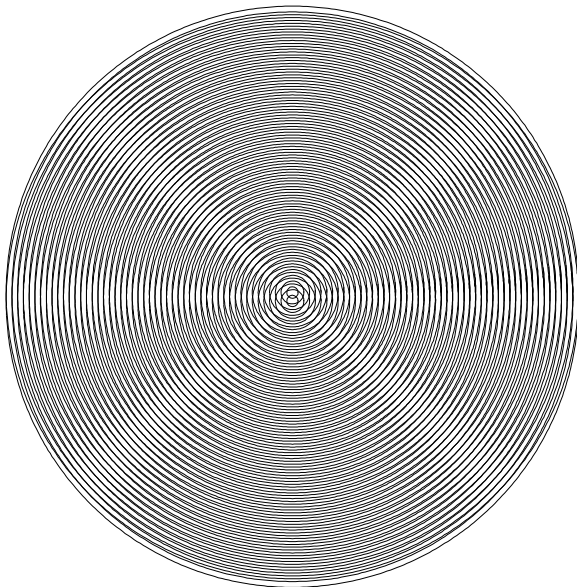
```
Show[s1, s2];
```



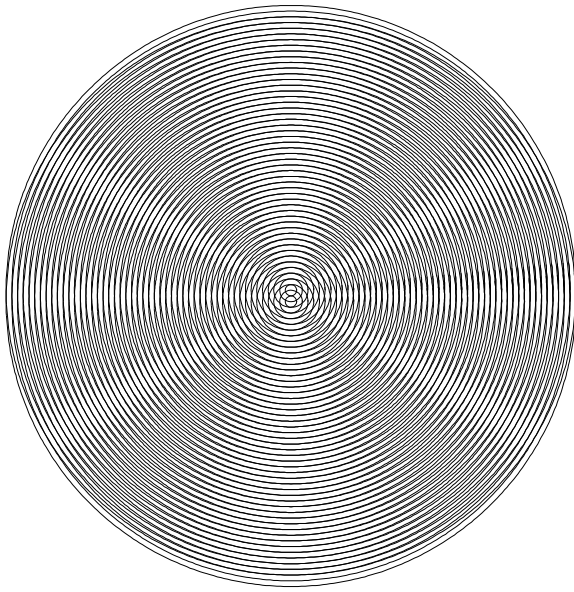
```
Show[s1, s3];
```



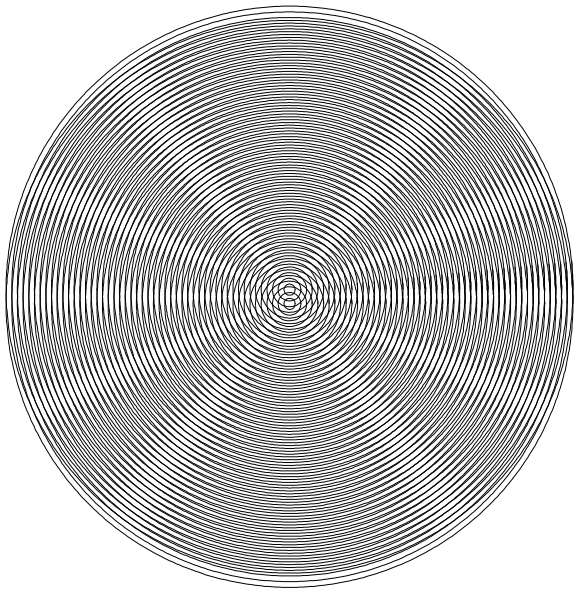
```
Show[s1, s3];
```



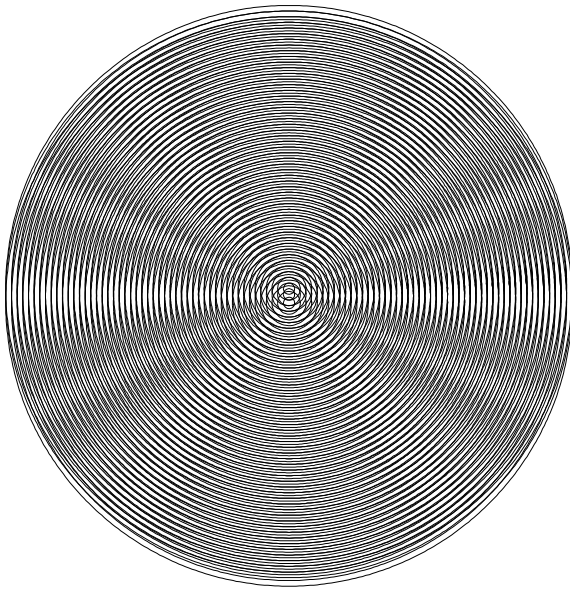
```
Show[s1, s4];
```



```
Show[s1, s5];
```



```
Show[s1, s3, s5];
```

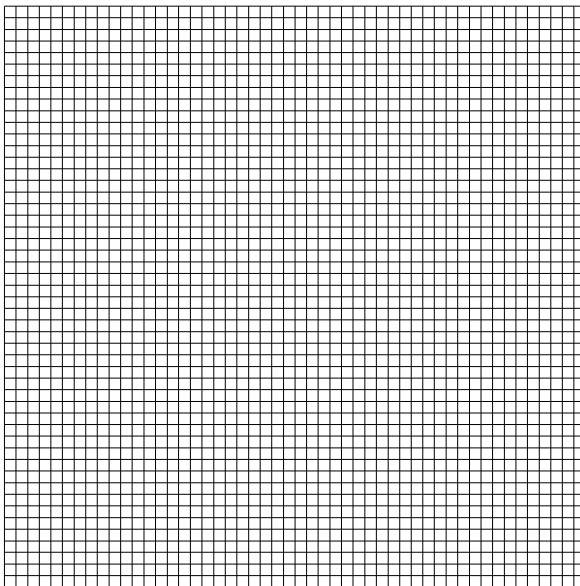


Parallelgitter:

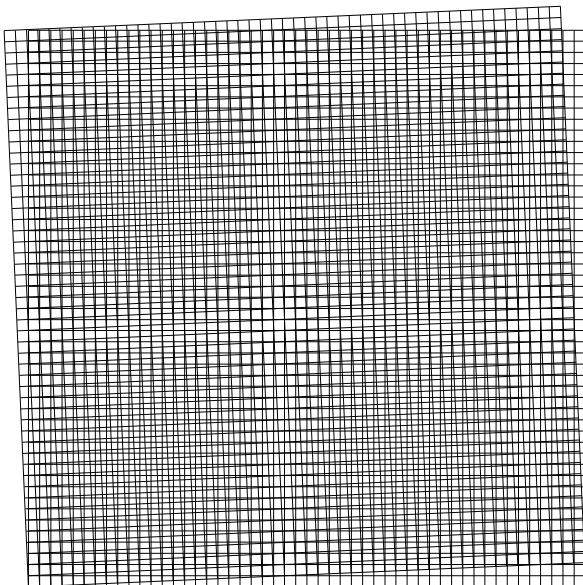
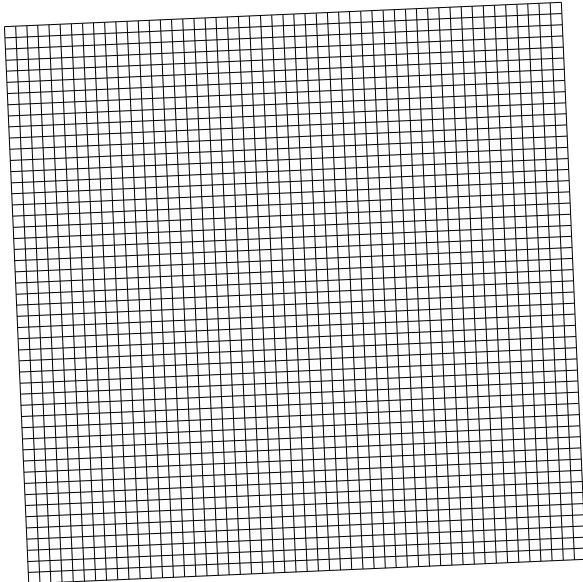
Eine Gitterserie wird ein wenig gegen eine andere gedreht. Es entstehen damit Muster.

```
mD[f_] := {{Cos[f], -Sin[f]}, {Sin[f], Cos[f]}};

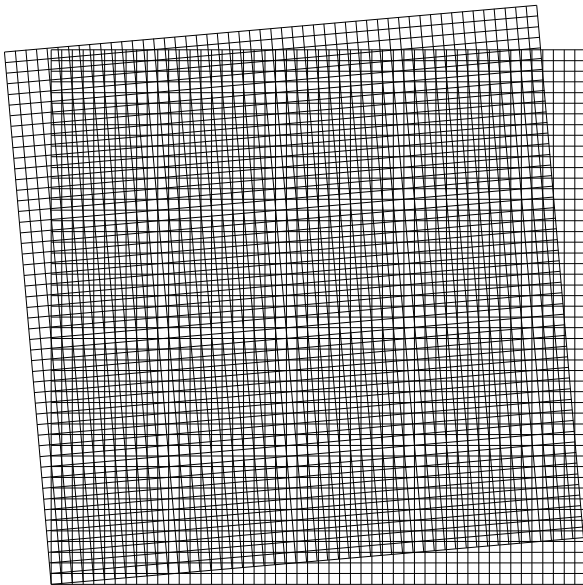
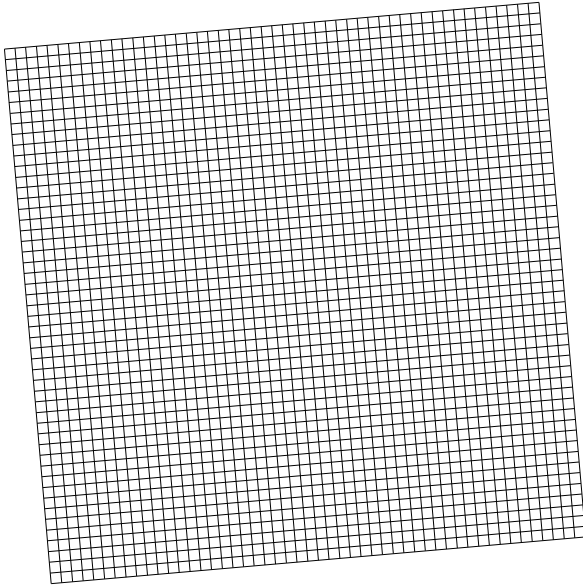
tabP3 = Union[Table[Line[{{0, b}, {10, b}}], {b, 0, 10, 0.2}],
  Table[Line[{{a, 0}, {a, 10}}], {a, 0, 10, 0.2}]] // Flatten;
s6 = Show[Graphics[tabP3], AspectRatio -> Automatic];
```



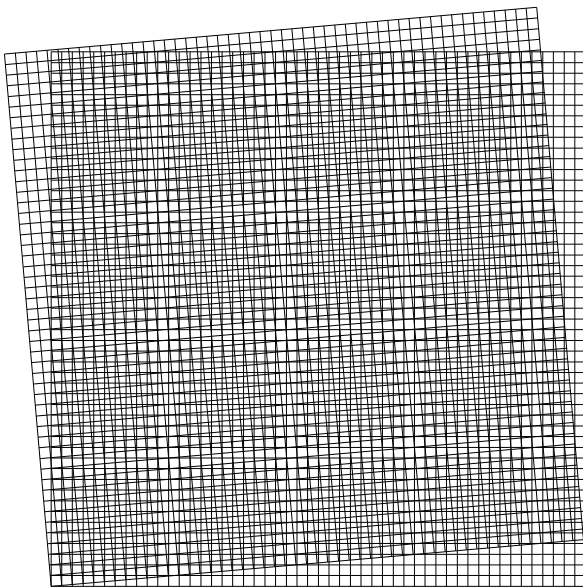
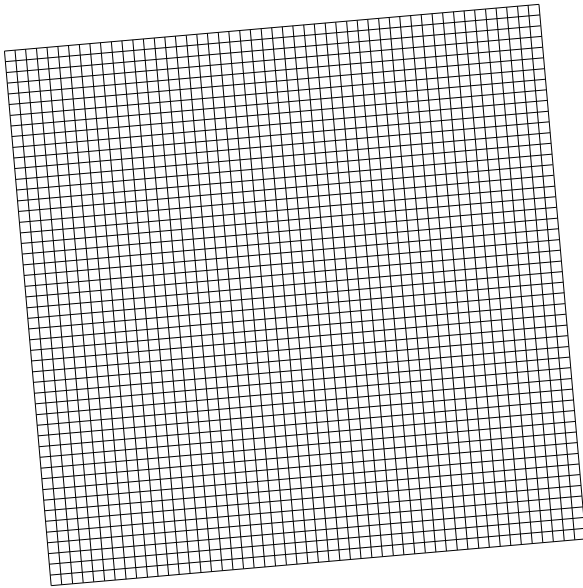
```
f = 2.5 Degree;  
tabP4[f_] := Union[Table[Line[{mD[f].{0, b}, mD[f].{10, b}}], {b, 0, 10, 0.2}],  
  Table[Line[{mD[f].{a, 0}, mD[f].{a, 10}}], {a, 0, 10, 0.2}]] // Flatten;  
s0[f_] := Show[Graphics[tabP4[f]], AspectRatio -> Automatic];  
Show[s6, s0[f]];
```



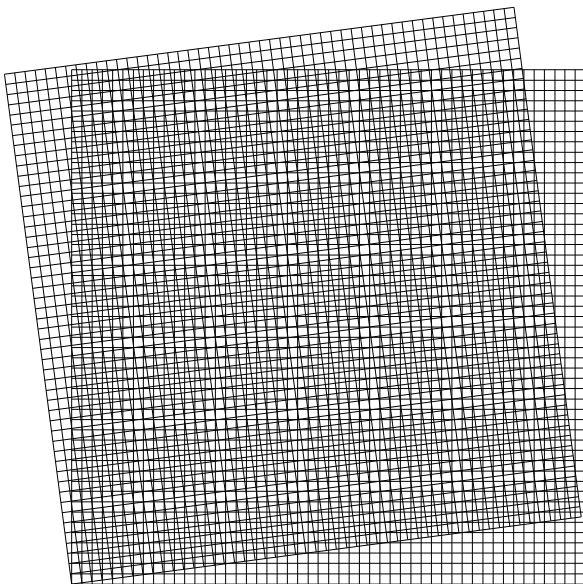
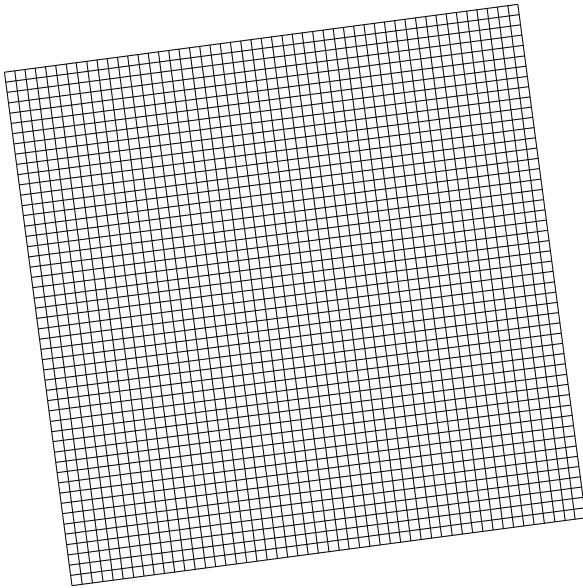
```
f = 5 Degree;  
Show[s6, Show[Graphics[tabP4[f]], AspectRatio -> Automatic]];
```



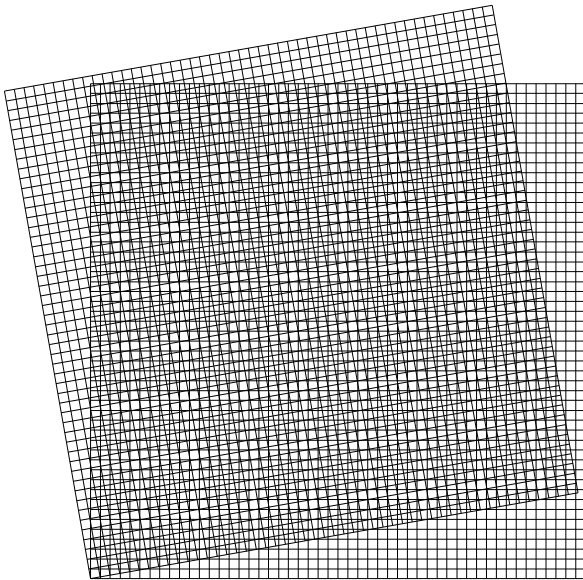
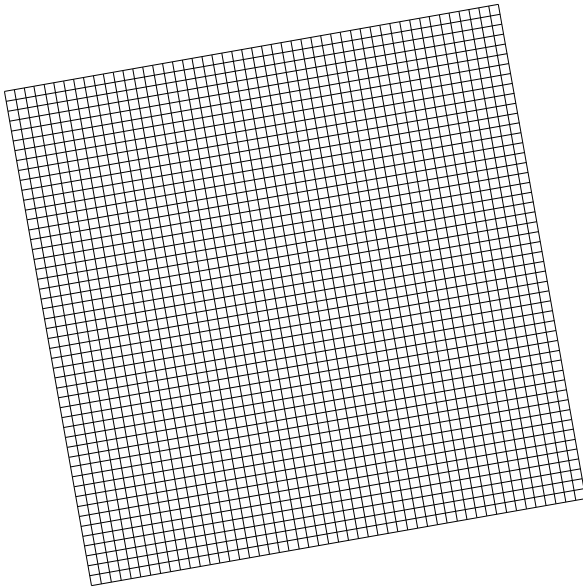
```
f = 5 Degree;  
Show[s6, s0[f]];
```



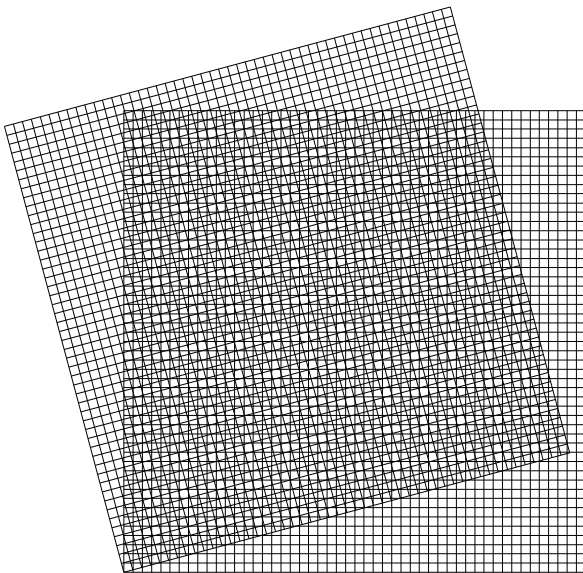
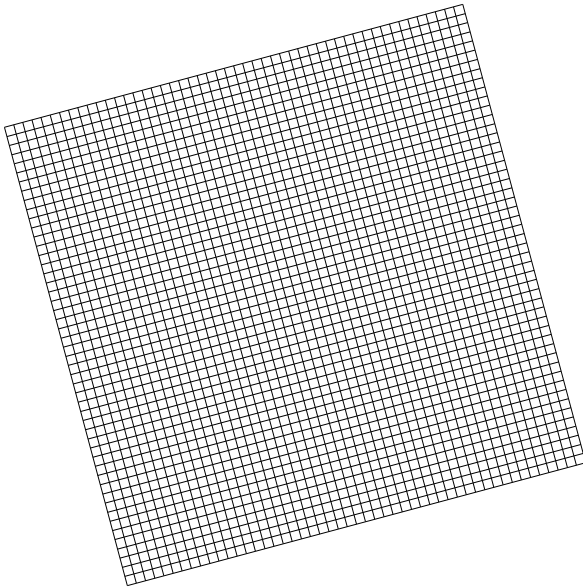
```
f = 7.5 Degree;  
Show[s6, s0[f]];
```

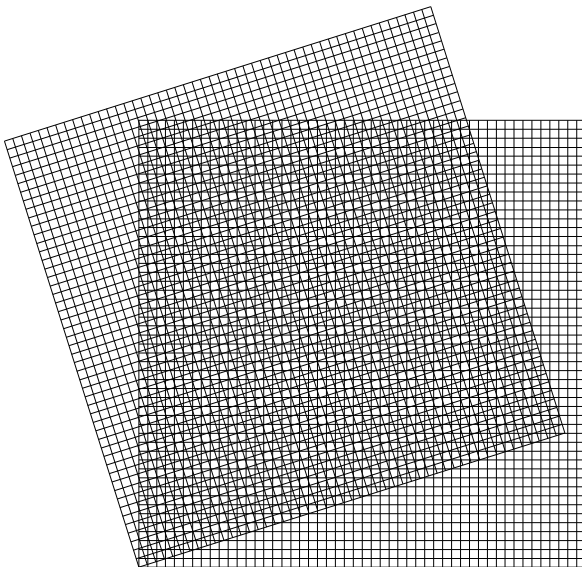
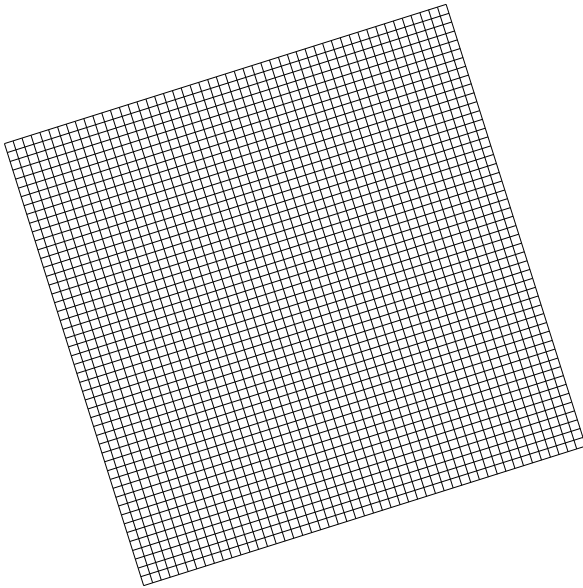
```
f = 10 Degree;  
Show[s6, s0[f]];
```



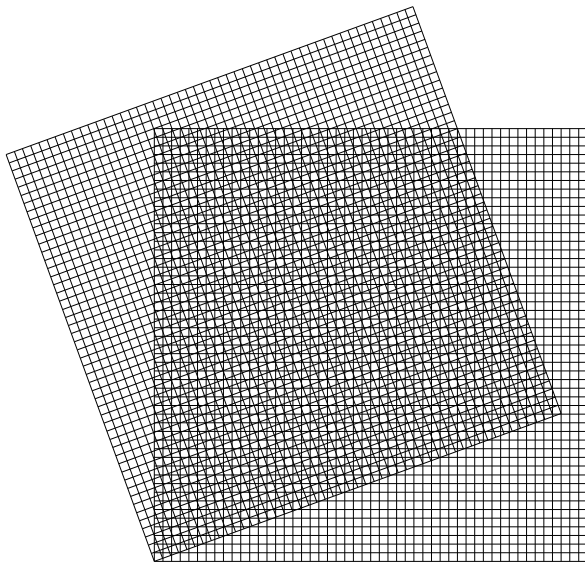
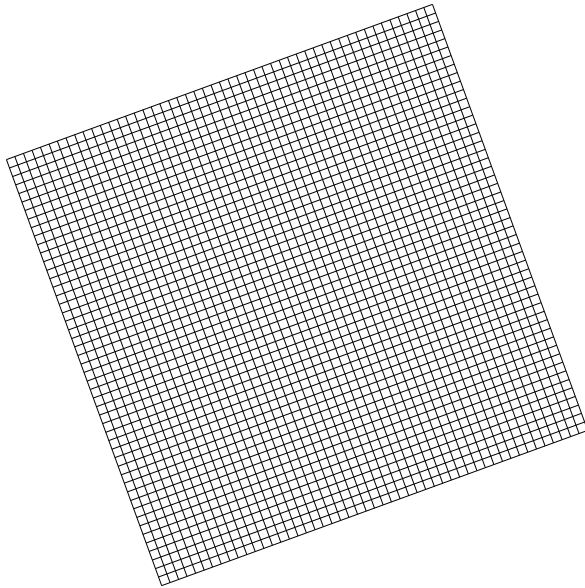
```
f = 15 Degree;  
Show[s6, s0[f]];
```



```
f = 17.5 Degree;  
Show[s6, s0[f]];
```



```
f = 20 Degree;  
Show[s6, s0[f]];
```



Vergrössert

