Grafiken2017.nb | 2

Signa in silico

Metamorphosen

[xxxx

[xxxx

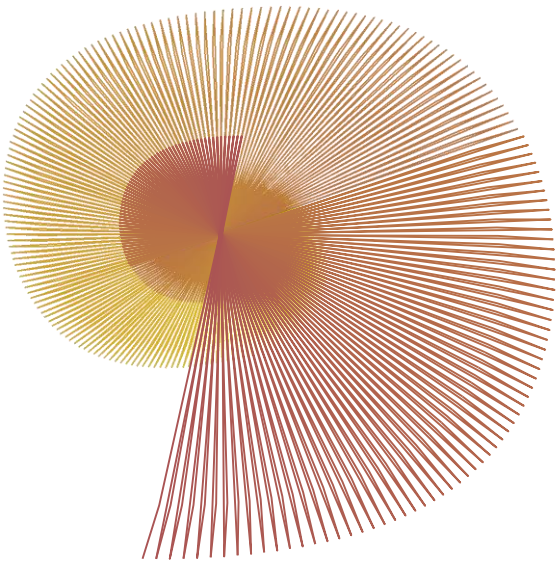
Grafiken2017.nb | 5

[xxxx

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[xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx]

k=13  n=45

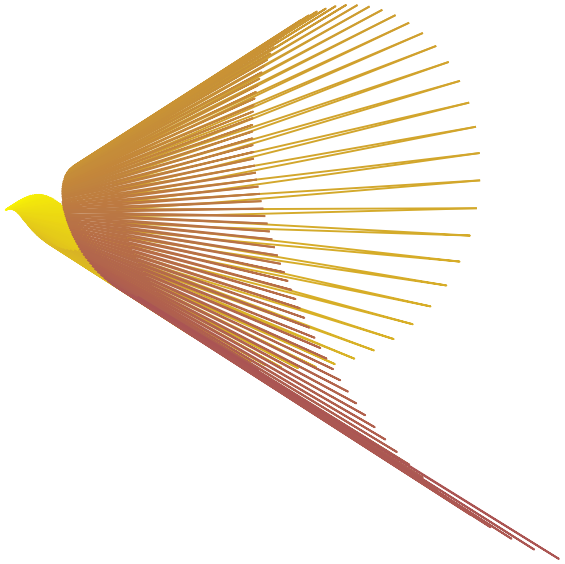
0.8854560257 + 0.4647231720 i
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```
[xxxx
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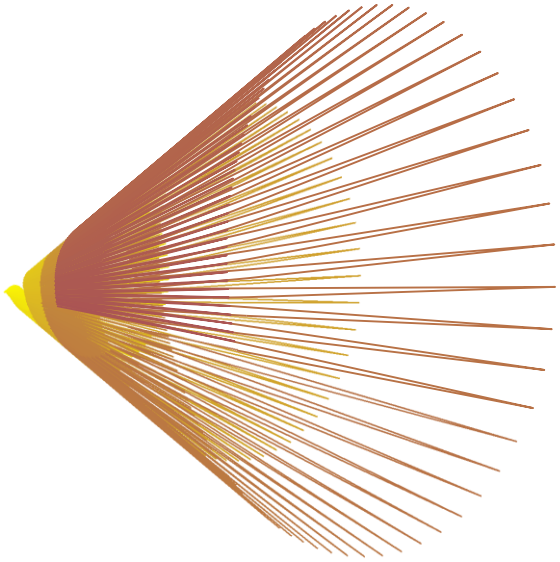
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k=13  n=1

0.8854560257 + 0.4647231720 i
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k=13  n=1

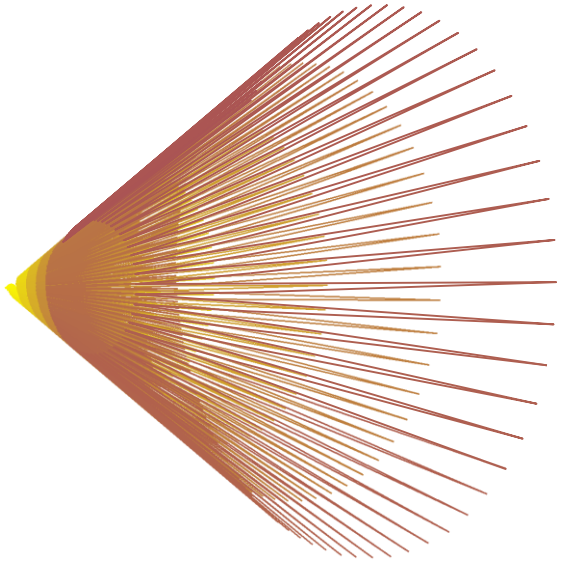
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Grafiken2017.nb | 9

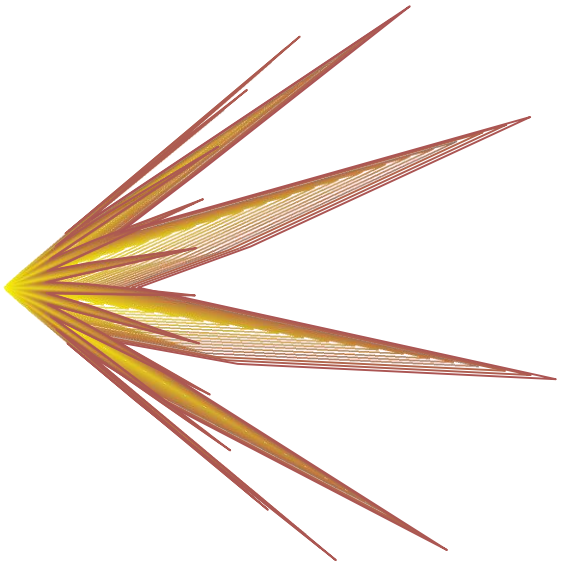
k=13 n=1

0.8854560257 + 0.4647231720 i



k=2 n=1

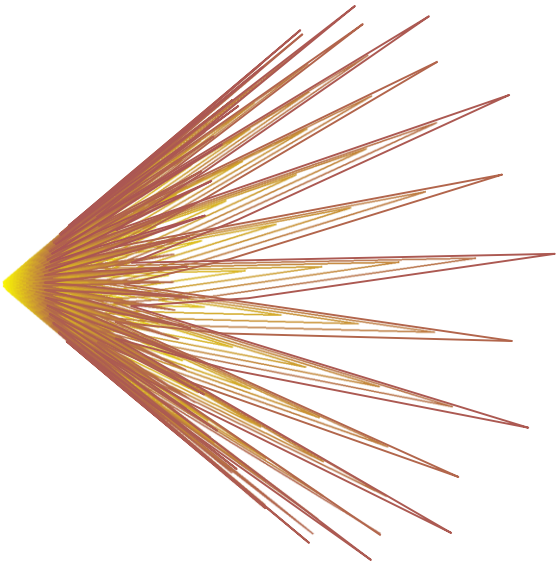
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Grafiken2017.nb | 10

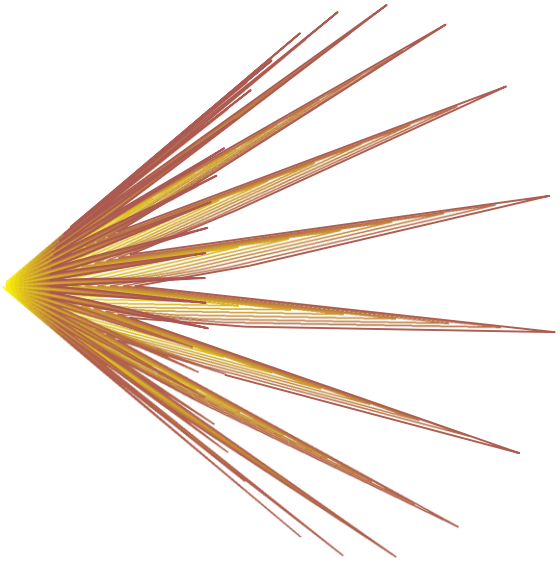
k=3 n=1

- 0.5000000000 + 0.8660254038 i



k=4 n=1

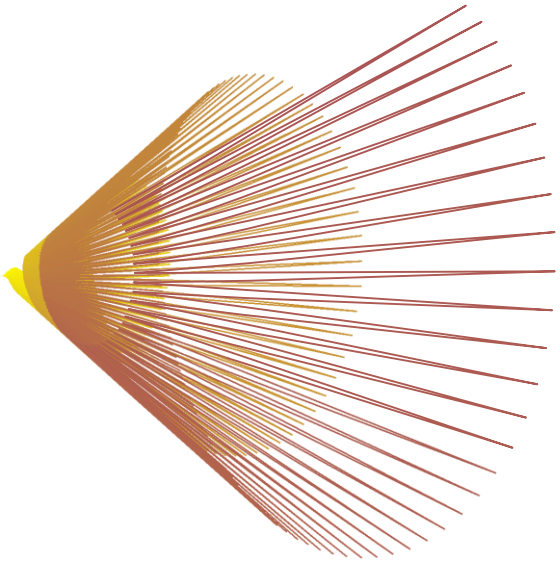
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Grafiken2017.nb | 11

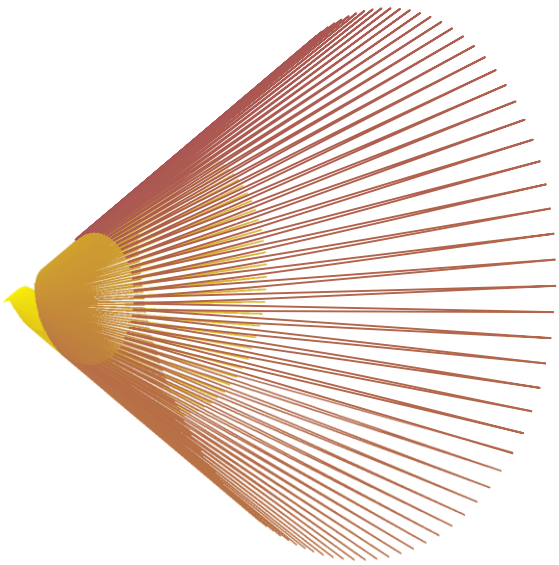
k=15 n=1

0.9135454576 + 0.4067366431 i



k=21 n=1

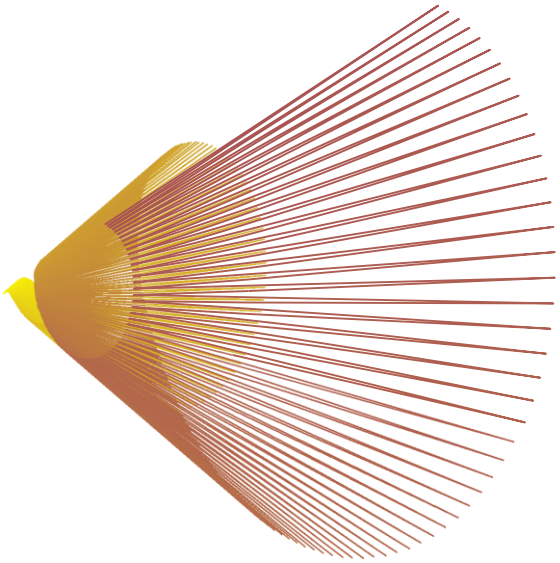
0.9555728058 + 0.2947551744 i



Grafiken2017.nb | 12

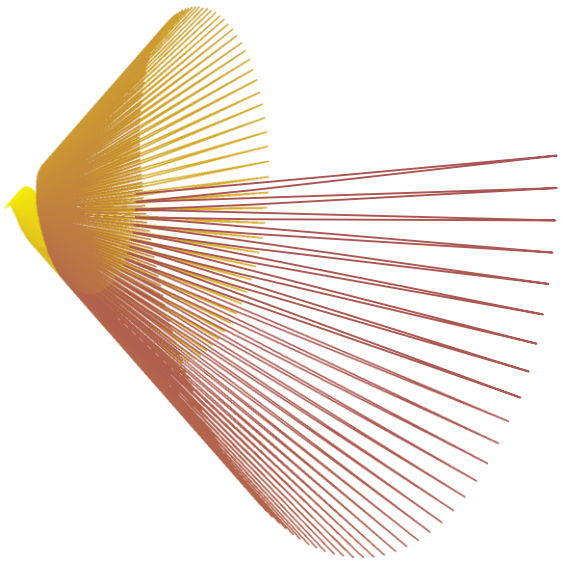
k=22 n=1

0.9594929736 + 0.2817325568 i



k=23 n=1

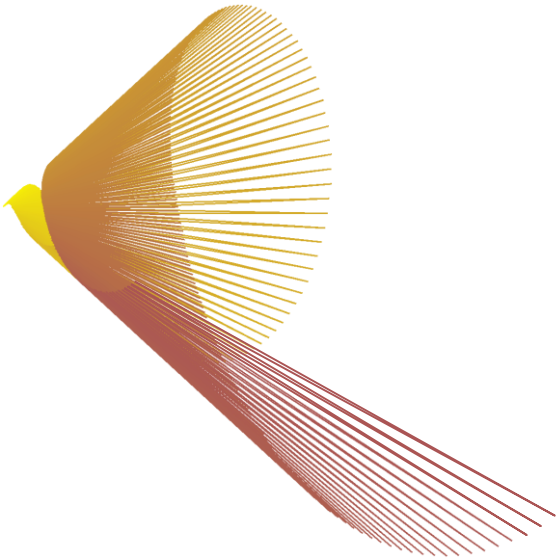
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Grafiken2017.nb | 13

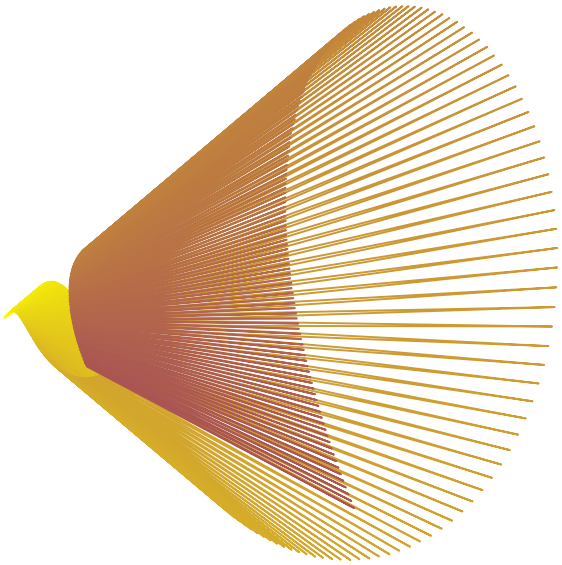
k=24 n=1

0.9659258263 + 0.2588190451 i



k=28 n=1

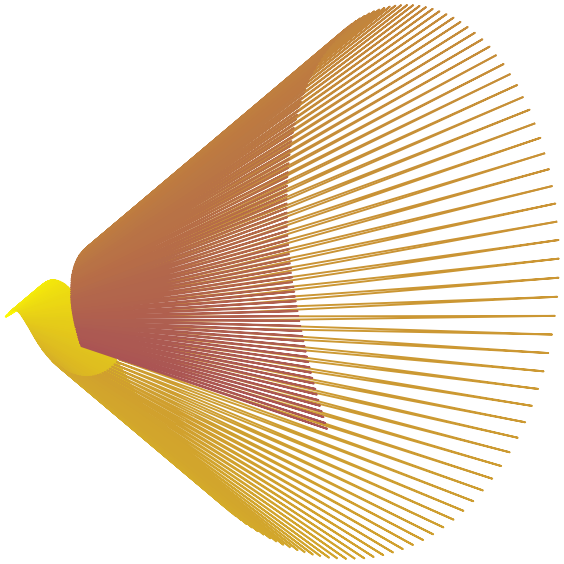
0.9749279122 + 0.2225209340 i



Grafiken2017.nb | 14

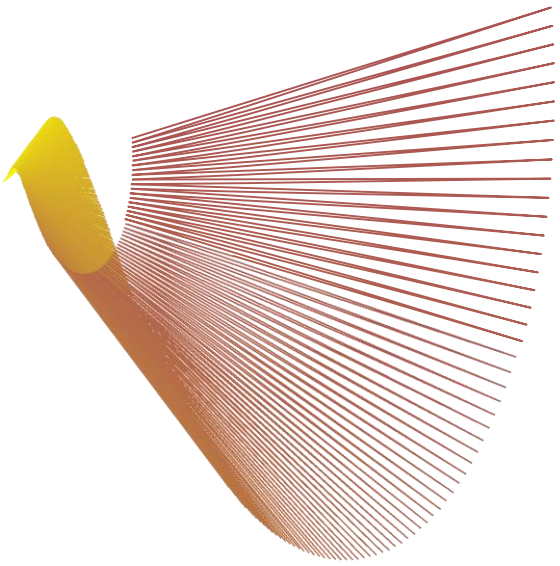
k=29 n=1

0.9766205557 + 0.2149704402 i



k=45 n=1

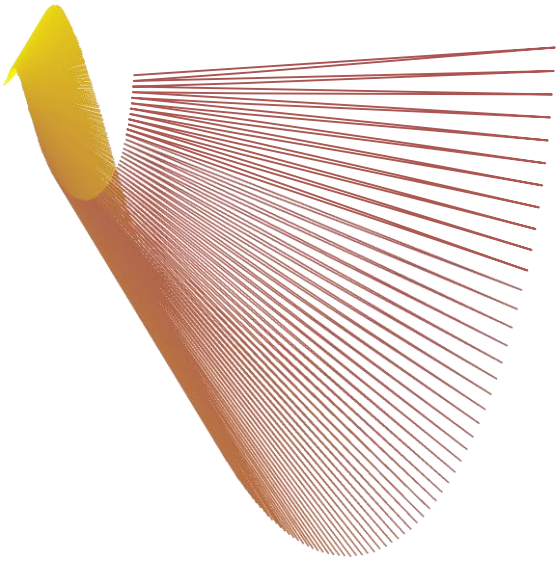
0.9902680687 + 0.1391731010 i



Grafiken2017.nb | 15

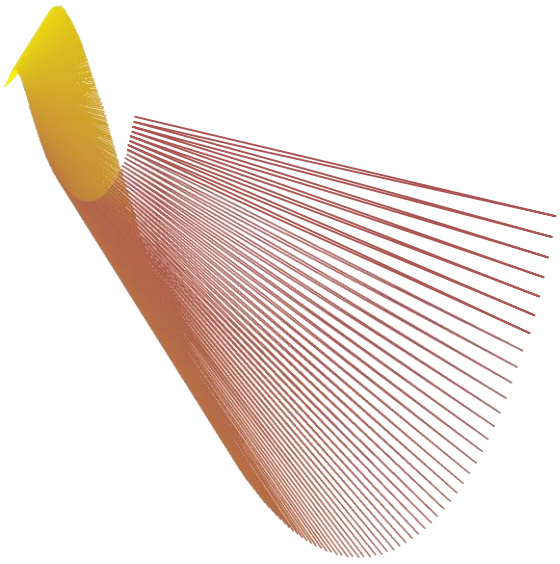
k=46 n=1

0.9906859460 + 0.1361666491 i



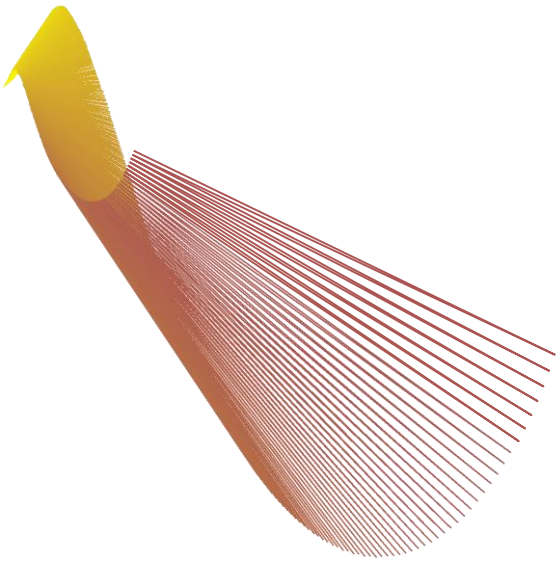
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0.9910774882 + 0.1332869554 i



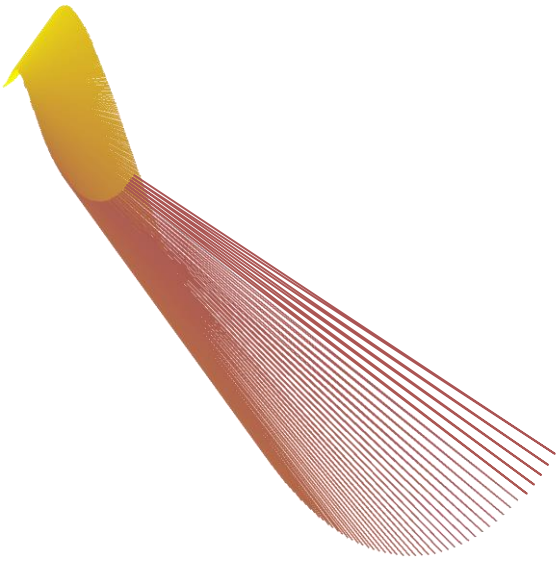
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k= 48  n=1

0.9914448614 + 0.1305261922 i
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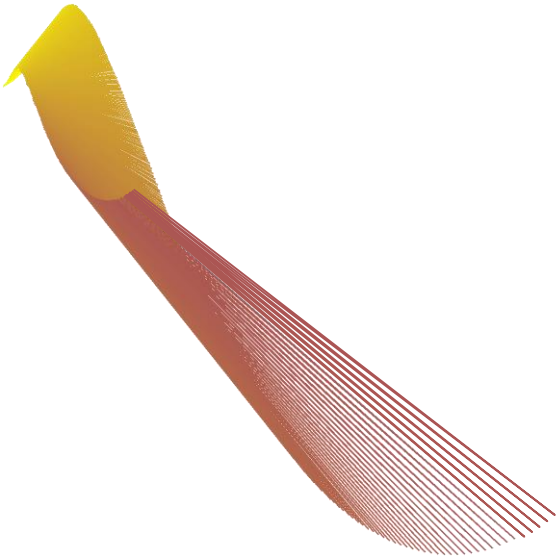
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k=49  n=1

0.9917900138 + 0.1278771617 i
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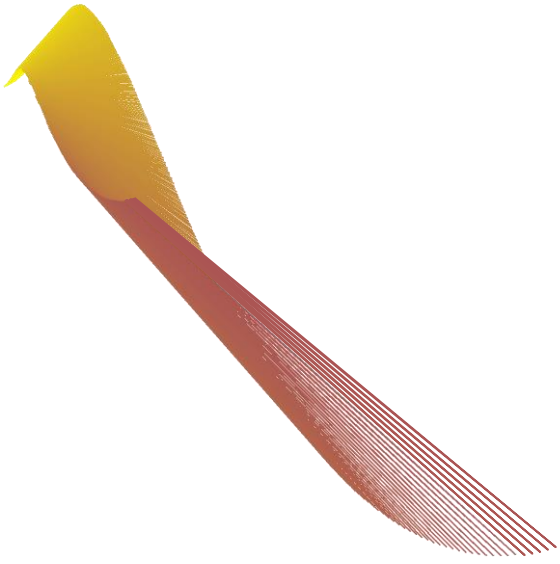
k=50 n=1

0.9921147013 + 0.1253332336 i



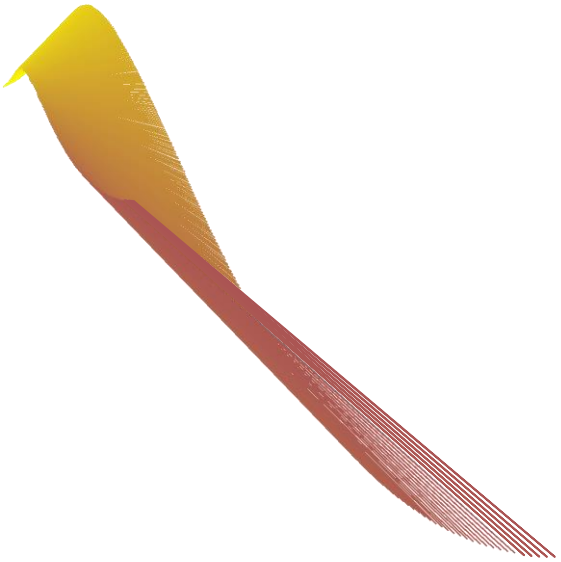
k=51 n=1

0.9924205097 + 0.1228882907 i



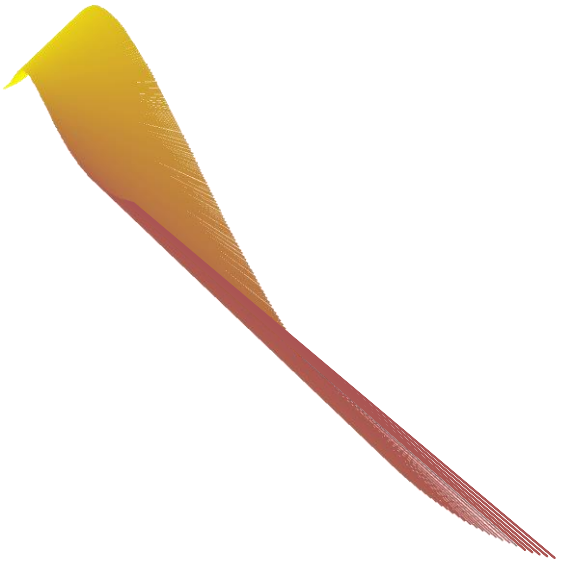
k=52 n=1

0.9927088741 + 0.1205366803 i



k=53 n=1

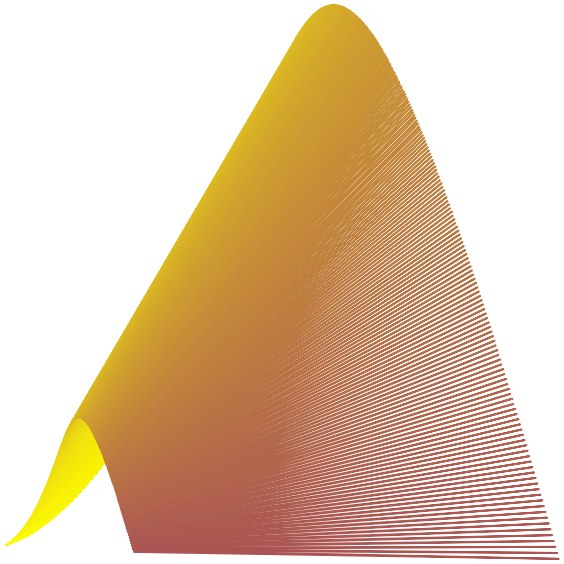
0.9929810960 + 0.1182731709 i



Grafiken2017.nb | 19

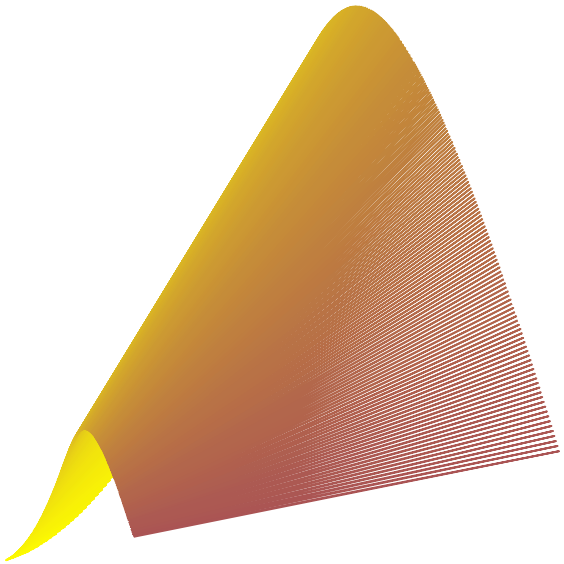
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k=92  n=1

0.9976687692 + 0.0682424134 i
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```
k=98  n=1

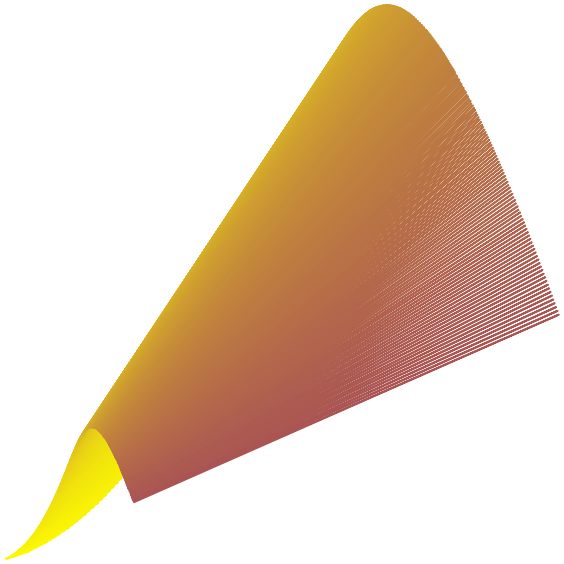
0.9979453928 + 0.0640702200 i
```



Grafiken2017.nb | 20

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k=107  n=1

0.9982763964 + 0.0586876167 i
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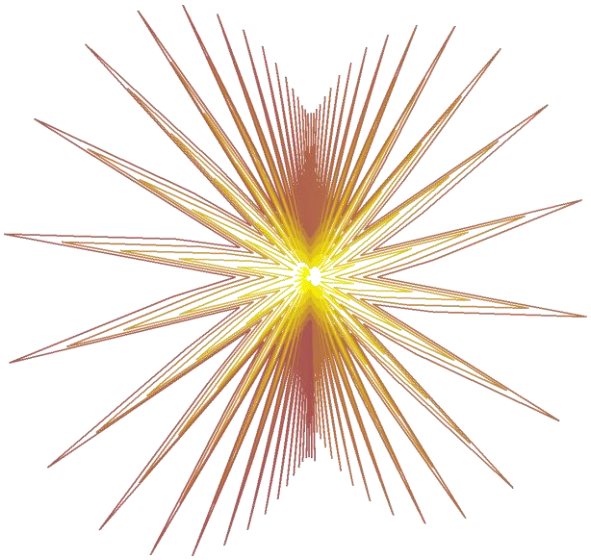


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Grafiken2017.nb | 22

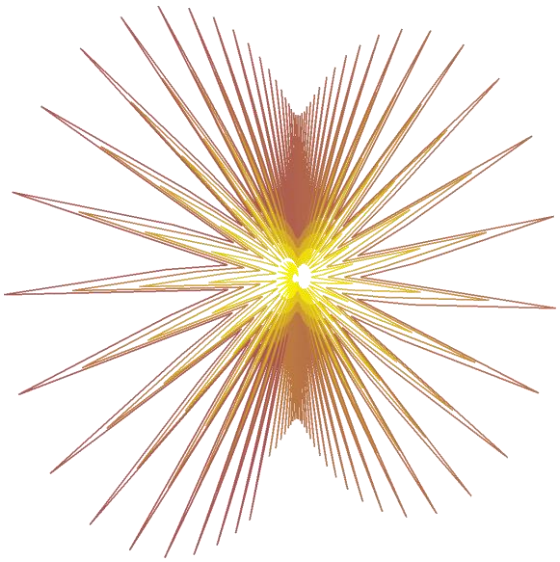
k=4 n=1

1.000000000 i



k=5 n=1

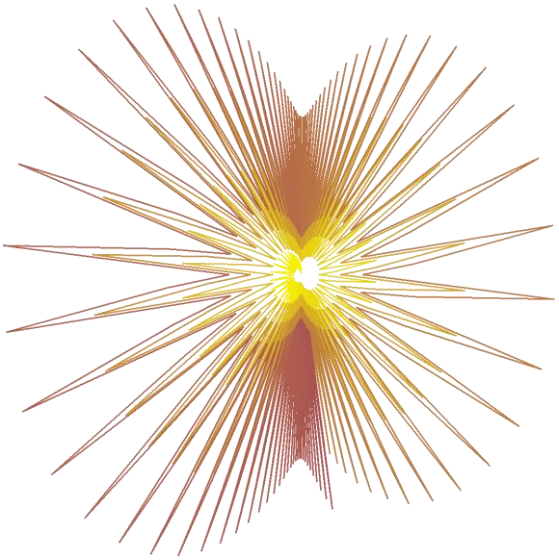
0.3090169944 + 0.9510565163 i



Grafiken2017.nb | 23

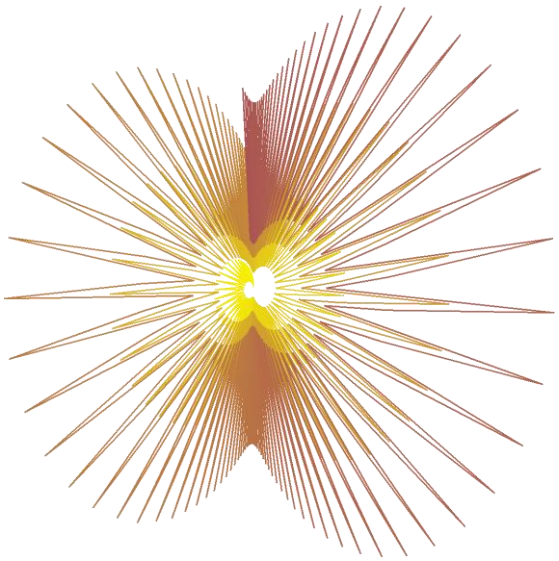
k=6 n=1

0.5000000000 + 0.8660254038 i



k=7 n=1

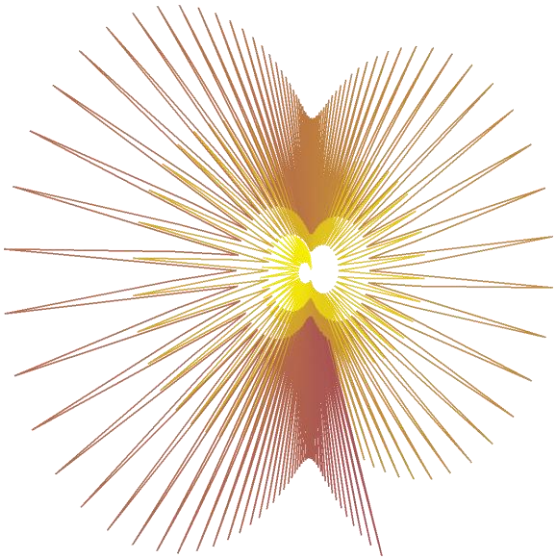
0.6234898019 + 0.7818314825 i



Grafiken2017.nb | 24

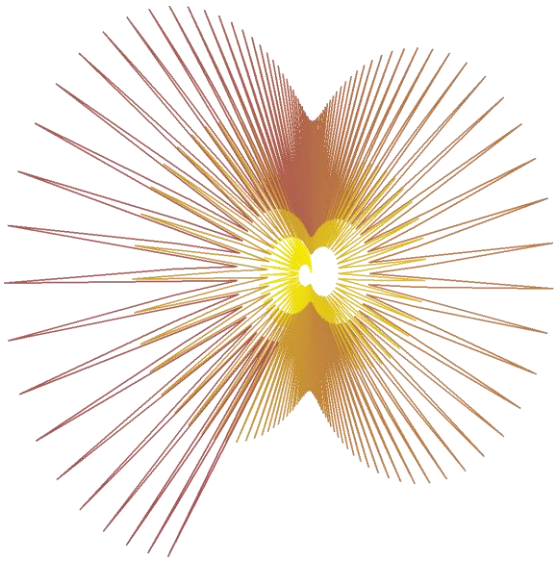
k=8 n=1

0.7071067812 + 0.7071067812 i



k=9 n=1

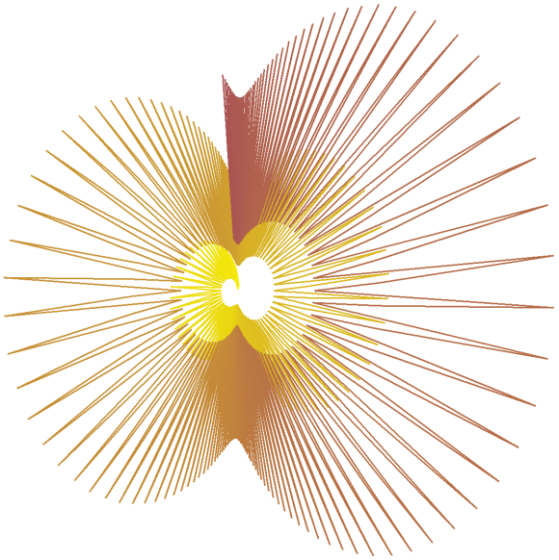
0.7660444431 + 0.6427876097 i



Grafiken2017.nb | 25

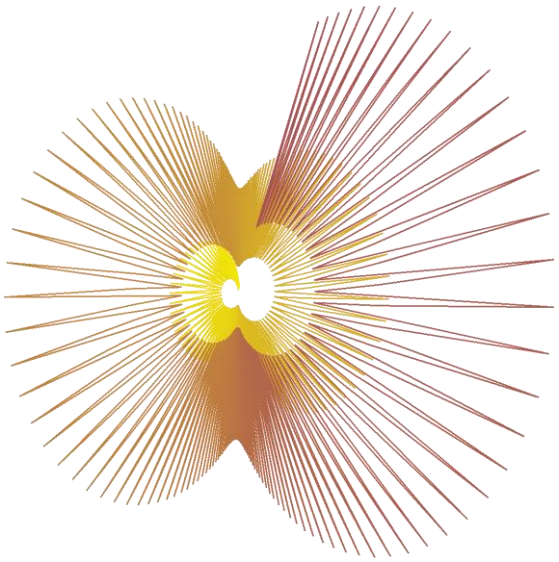
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k=10   n=1
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```
0.8090169944 + 0.5877852523 i
```



```
k=11   n=1
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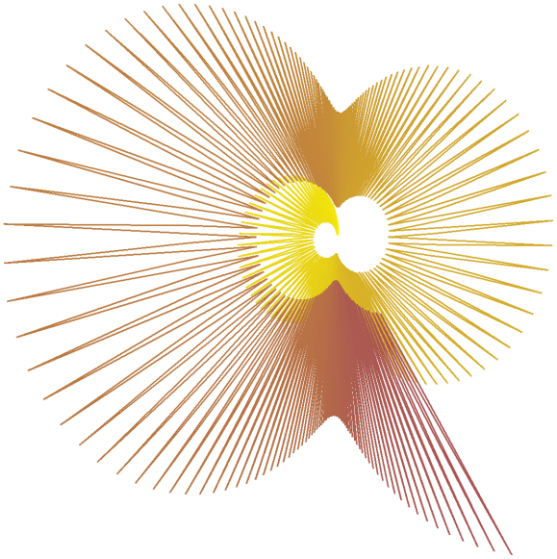
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0.8412535328 + 0.5406408175 i
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Grafiken2017.nb | 26

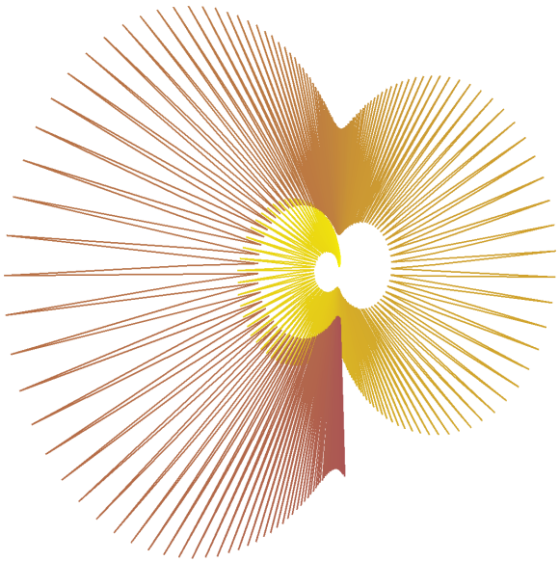
k=12 n=1

0.8660254038 + 0.5000000000 i



k=13 n=1

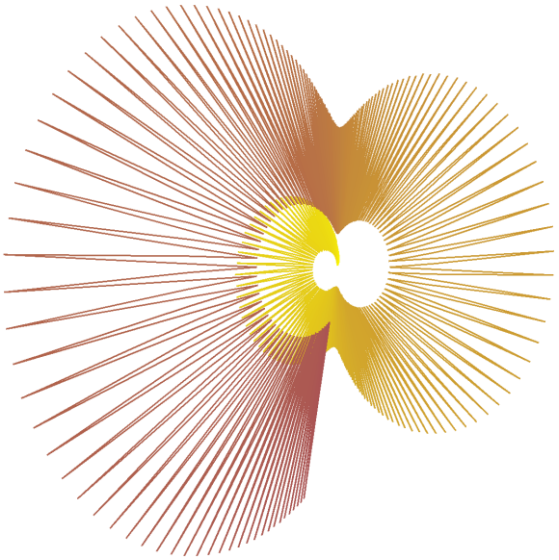
0.8854560257 + 0.4647231720 i



Grafiken2017.nb | 27

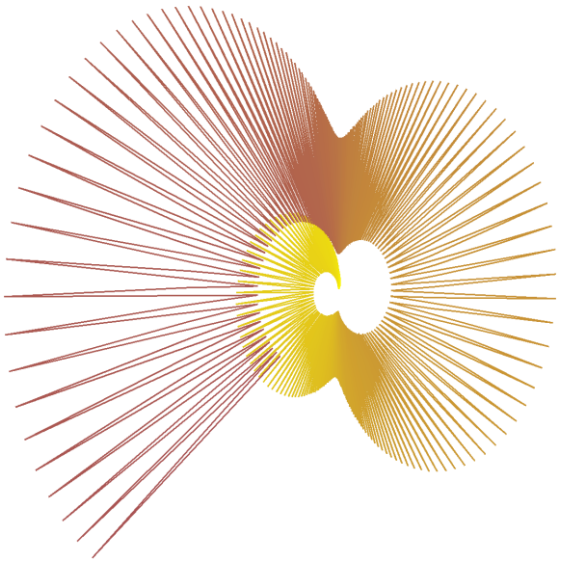
k=14 n=1

0.9009688679 + 0.4338837391 i



k=15 n=1

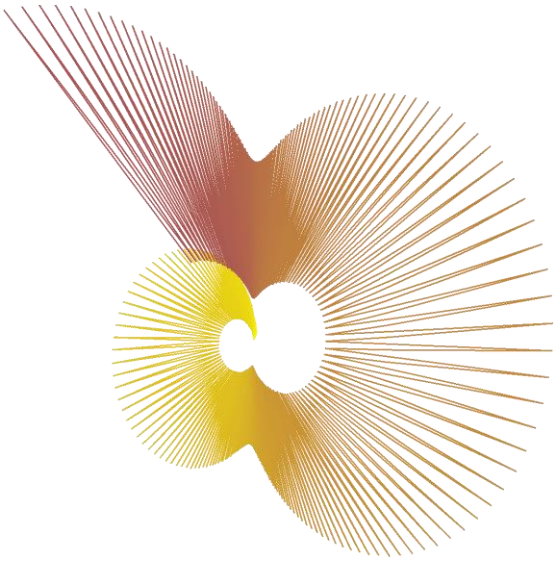
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Grafiken2017.nb | 28

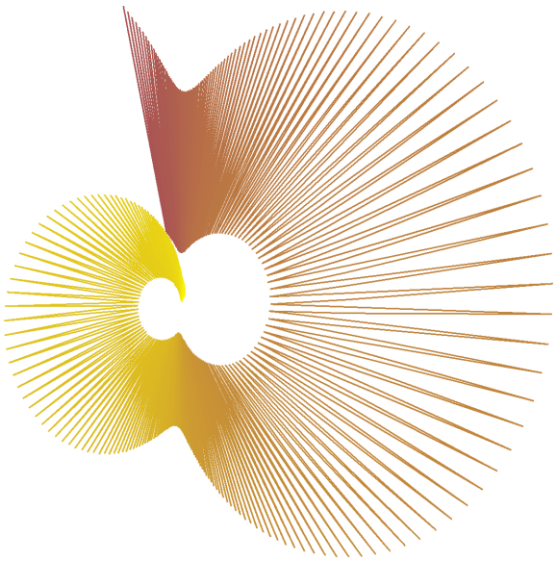
k=16 n=1

0.9238795325 + 0.3826834324 i



k=17 n=1

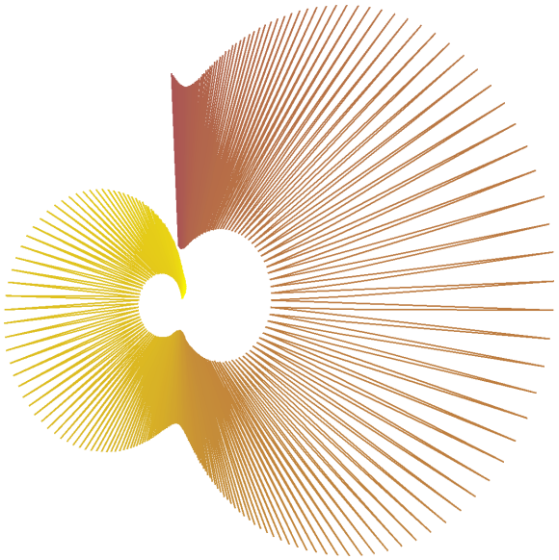
0.9324722294 + 0.3612416662 i



Grafiken2017.nb | 29

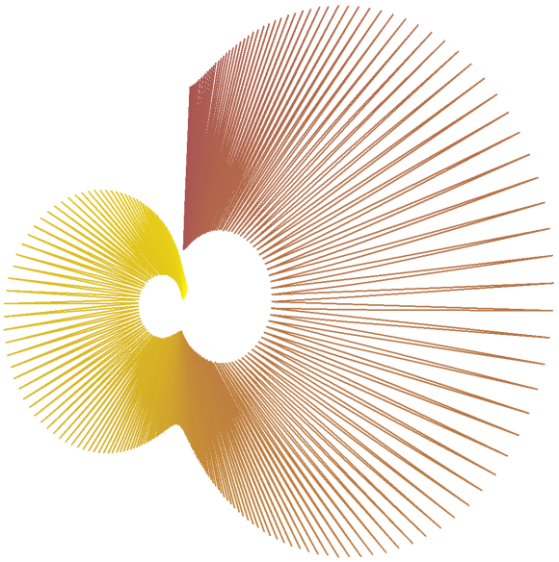
k=18 n=1

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k=19 n=1

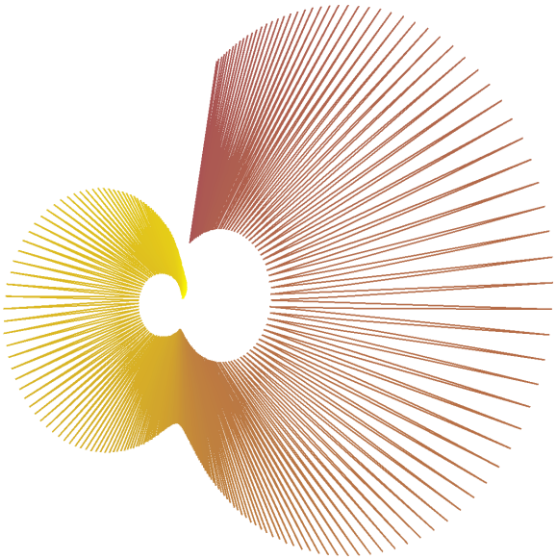
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Grafiken2017.nb | 30

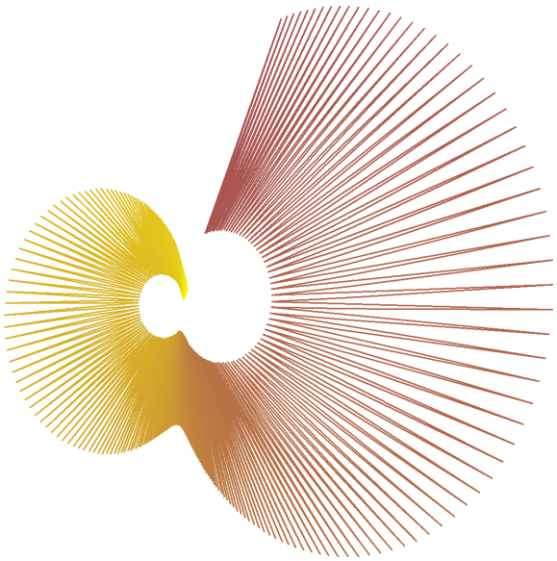
k=20 n=1

0.9510565163 + 0.3090169944 i



k=21 n=1

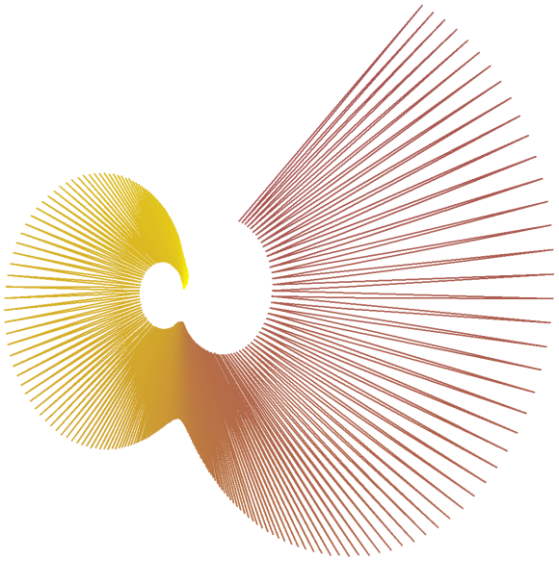
0.9555728058 + 0.2947551744 i



Grafiken2017.nb | 31

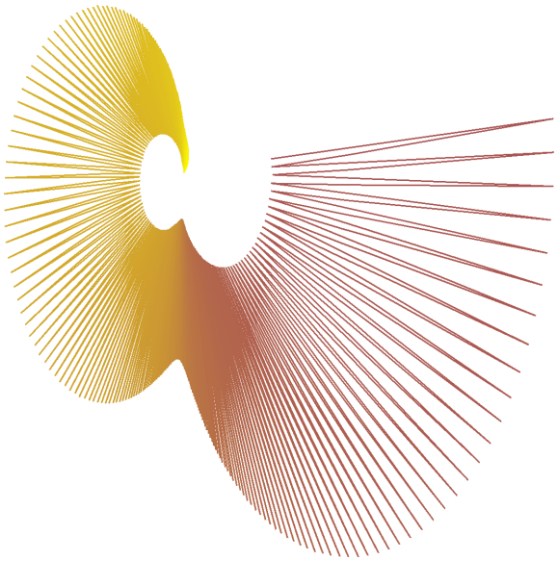
k=22 n=1

0.9594929736 + 0.2817325568 i



k=23 n=1

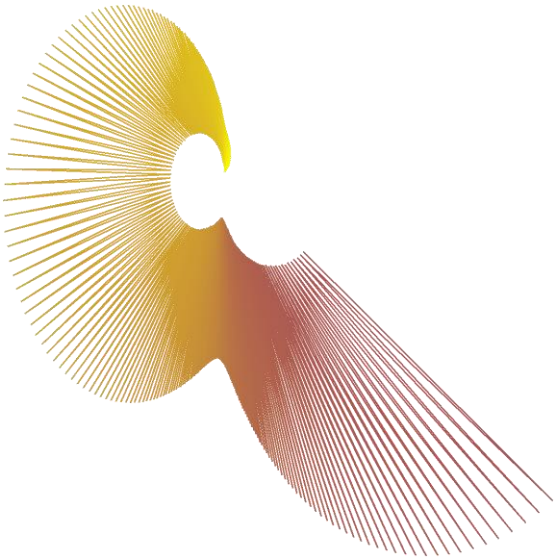
0.9629172873 + 0.2697967712 i



Grafiken2017.nb | 32

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k=24   n=1

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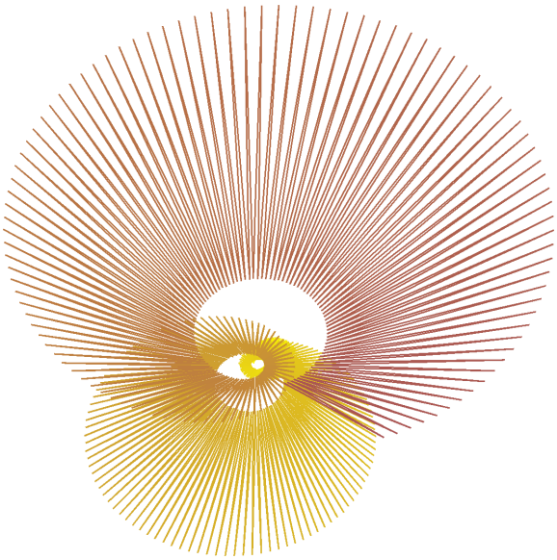


[xxxx

Grafiken2017.nb | 34

```
k=5  n=1

0.3090169944 + 0.9510565163 i
```



[xxxx

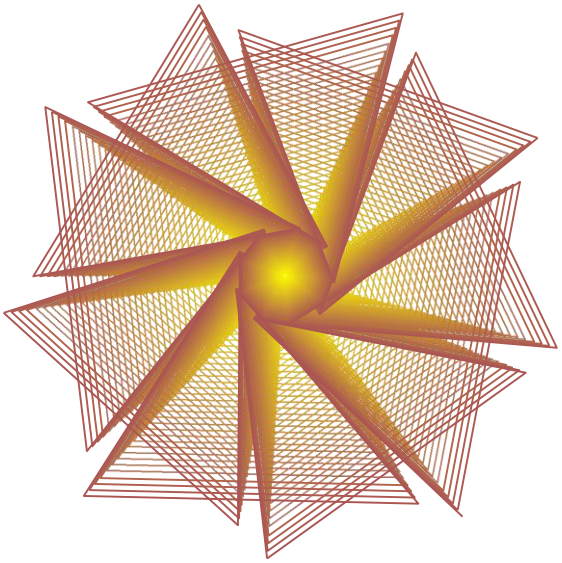
Grafiken2017.nb | 36

[xxxx

Grafiken2017.nb | 37

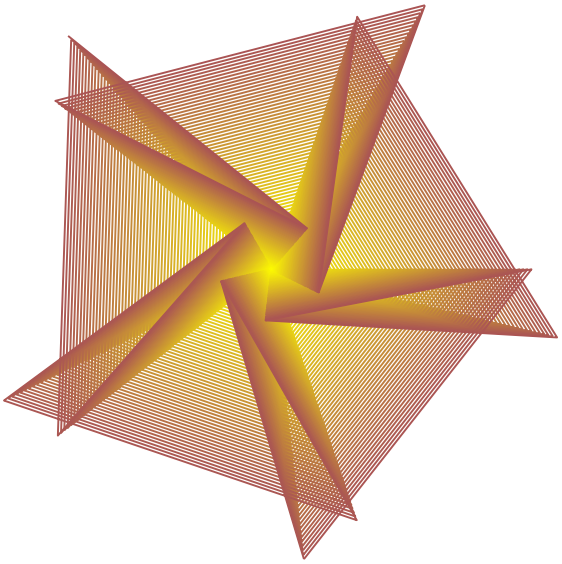
k=27 n=8

0.9730448706 + 0.2306158707 i



k=30 n=8

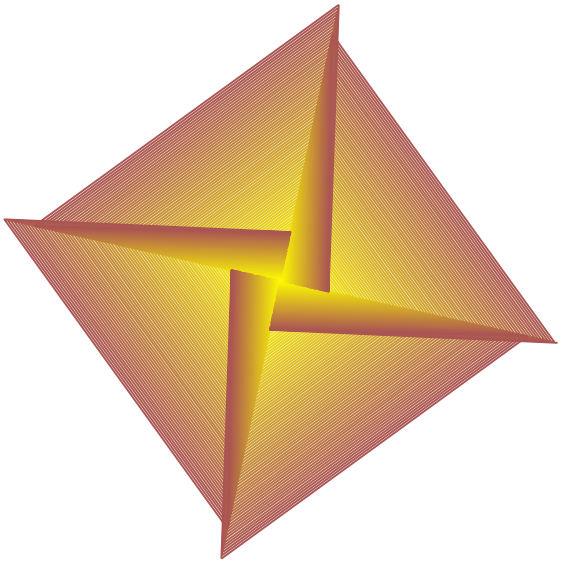
0.9781476007 + 0.2079116908 i



Grafiken2017.nb | 38

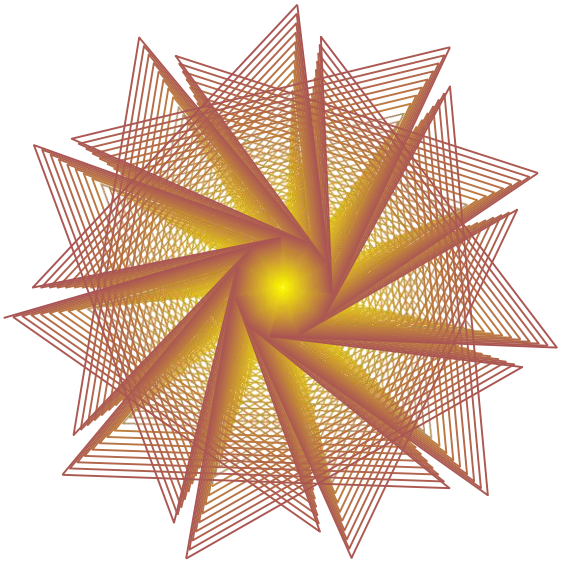
k=32 n=8

0.9807852804 + 0.1950903220 i



k=33 n=8

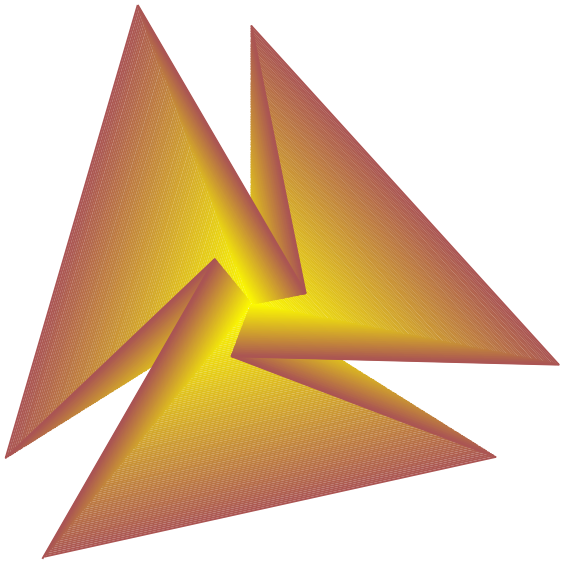
0.9819286973 + 0.1892512444 i



Grafiken2017.nb | 39

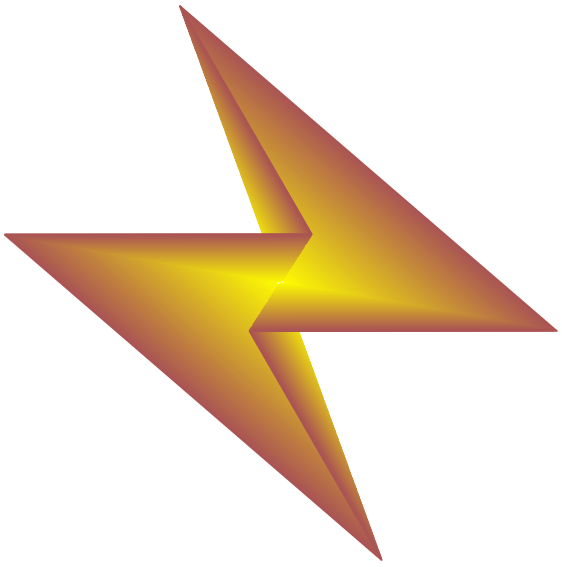
k=36 n=8

0.9848077530 + 0.1736481777 i



k=48 n=8

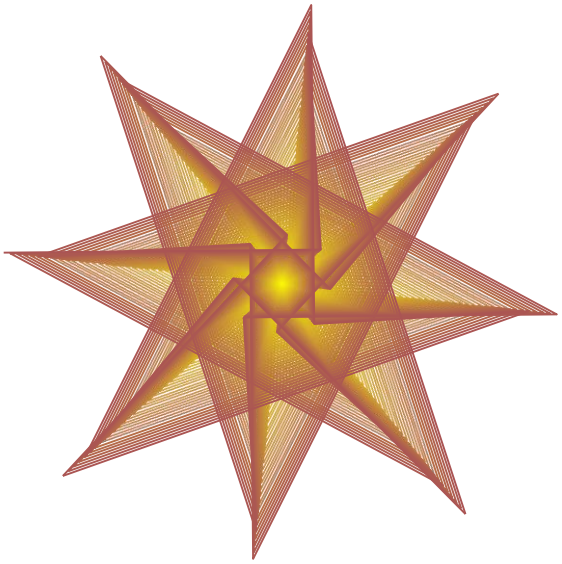
0.9914448614 + 0.1305261922 i



Grafiken2017.nb | 40

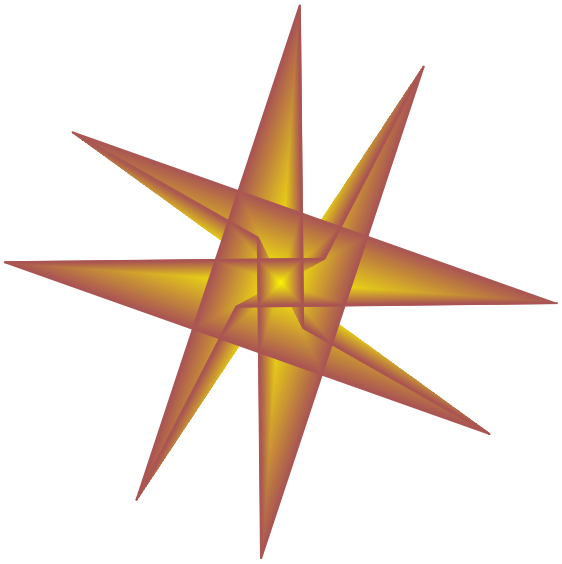
k=64 n=8

0.9951847267 + 0.0980171403 i



k=96 n=8

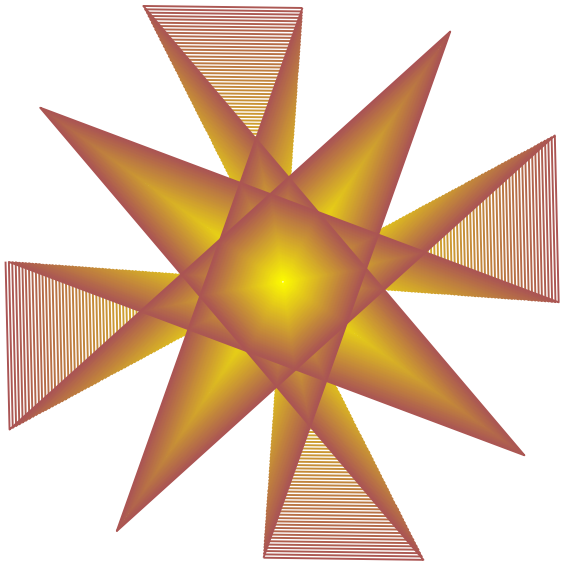
0.9978589232 + 0.0654031292 i



```
[xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxx]

k=96  n=8

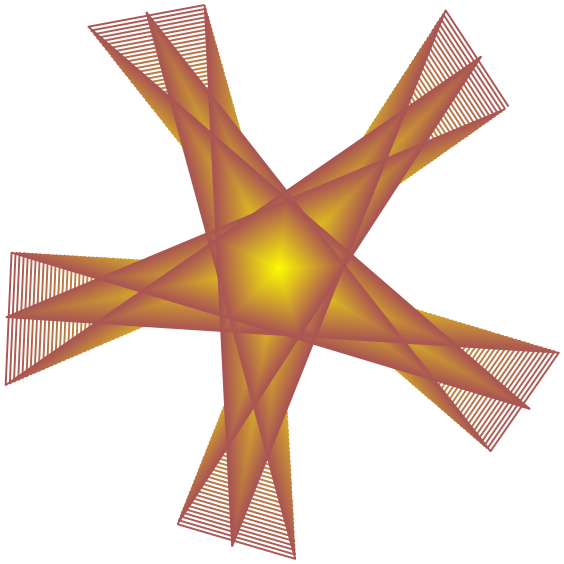
0.9978589232 + 0.0654031292 i
```



Grafiken2017.nb | 42

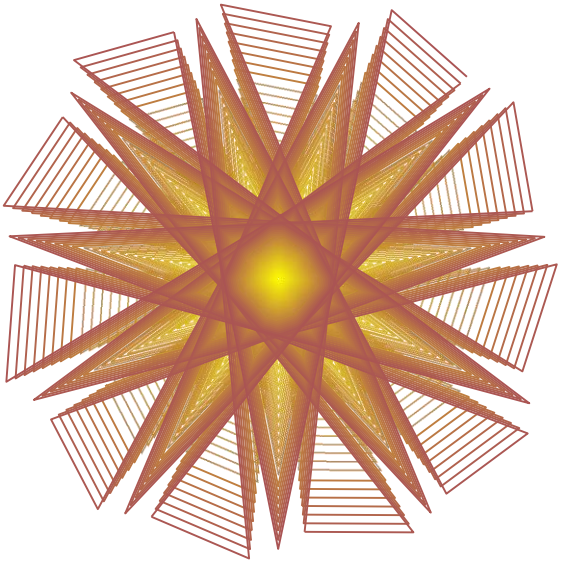
k=120 n=8

0.9986295348 + 0.0523359562 i



k=132 n=8

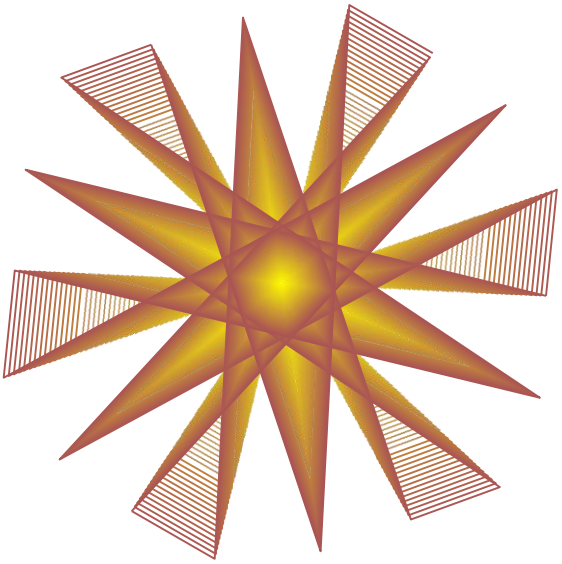
0.9988673392 + 0.0475819158 i



Grafiken2017.nb | 43

```
k=144  n=8

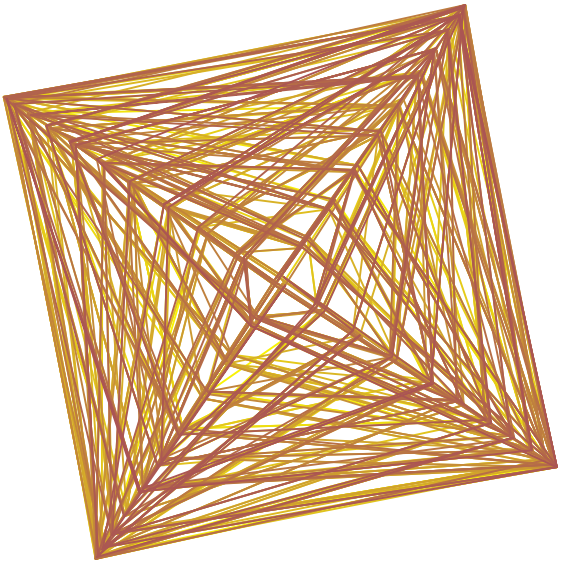
0.9990482216 + 0.0436193874 i
```



```
[xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx]
```

```
k=32  n=8
```

```
0.9807852804 + 0.1950903220 i
```



[xxxx