

# Generative Art with Truchet Tiles in R

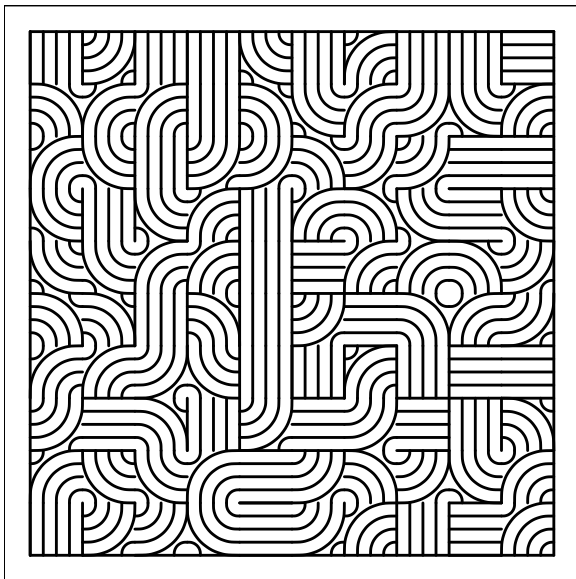
Brian Boyle

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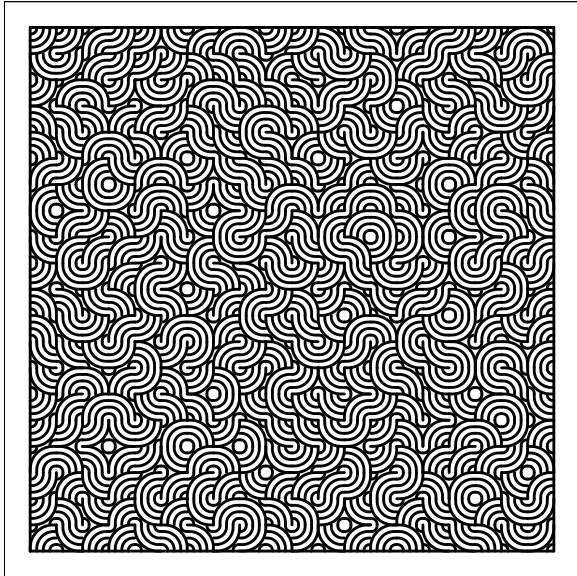
```
## Function arguments
# grid_max    number of tiles on each axis (e.g. 5 = 5x5 grid)
# seed        set seed for random tile selection
# all_tiles    T == straight and curved tiles, F == curved tiles only
# line_col     line colour
# line_size    line size
# line_alpha   line alpha value
# bg_col       background colour
# line_end     shape at end of each line (butt, square, round)
```

## Plot examples

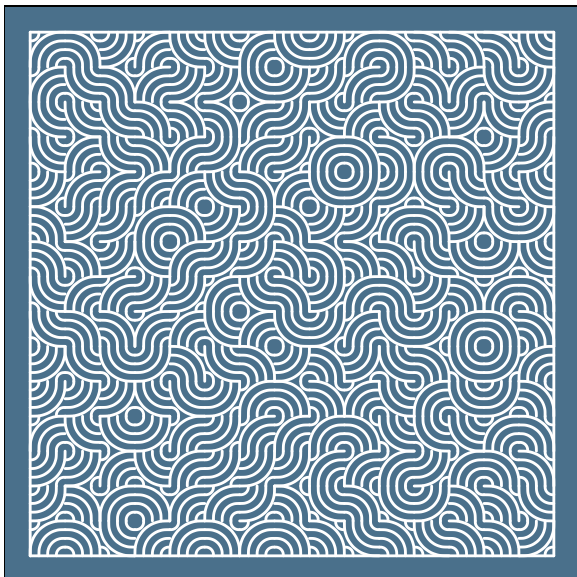
```
## Example plots using the function
# Plot 10x10 grid
plot.truchet(grid_max = 10, seed = 16)
```



```
# Curved tiles only
plot.truchet(grid_max = 20, seed = 16,
             all_tiles = F)
```



```
# Change colours
plot.truchet(grid_max = 15, seed = 16,
             all_tiles = F,
             line_size = .5,
             line_col = 'white',
             bg_col = 'skyblue4')
```



```
# All tile types
plot.truchet(grid_max = 15, seed = 16,
             all_tiles = T,
             line_size = .5,
             line_col = 'white',
             bg_col = 'springgreen4')
```

