

# Generative Gestaltung und Musik

Handout 4 von Nathalie Bösch und Dominic Eckinger, Mai 2022



<https://p5js.org/>

## Tutorials:

### Variable:

<https://p5js.org/reference/#/p5/let>

<https://youtu.be/7A5tKW9HGoM>

<https://youtu.be/dRhXIIFp-ys>

### Fonts:

<https://www.youtube.com/watch?v=wfx8ZOD2aDw> <https://>

[fonts.google.com](https://fonts.google.com)

### Random:

<https://p5js.org/reference/#/p5/random>

### While - Loop, For - Loop, Nested - Loop:

<https://www.youtube.com/watch?v=cnRD9o6odjk> <https://>

[www.youtube.com/watch?v=1c1\\_TMdf8b8](https://www.youtube.com/watch?v=1c1_TMdf8b8)

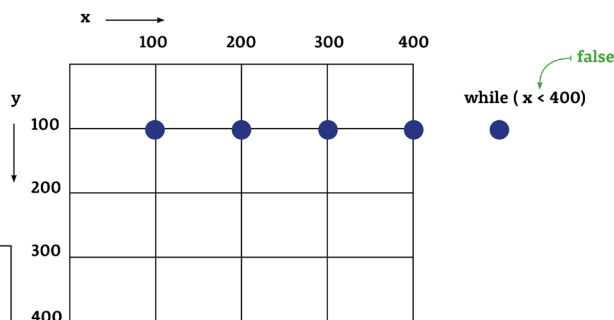
while-Loop

```
while ( ) { Mach das!
}
true
bis false (oder)
exit-condition
(= stop looping)
```

let x = 0; (Variable)

while-Loop

```
while ( x < 400 ) { Mach das!
  ellipse(x,100,25,25);
  x = x + 100; bis false
}
```



1. Initialisation Variable
2. boolean Test (True/False)
3. incrementation operation

```
for (let x = 0 ; x < 400 ; x = x + 100)
  1.      2.      3.
```