Seminar Algorithmentechnik – Ipe Tutorial
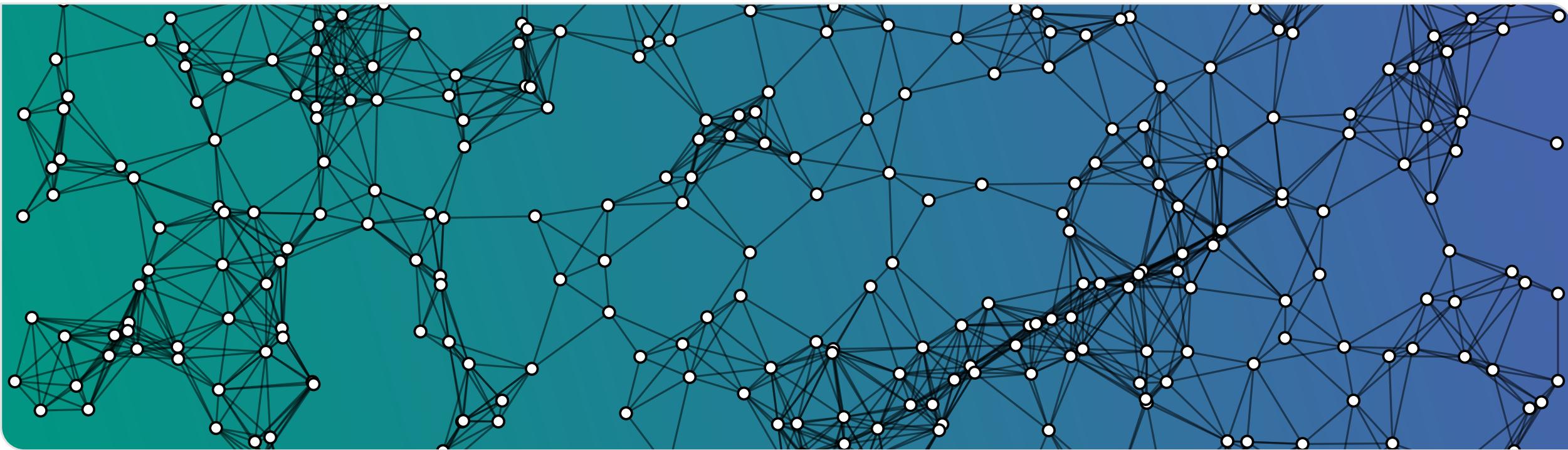
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- drawing tool for vector graphics

- supports LaTeX

- very customizable

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What can I use it for?
- creating illustrations for papers, master theses, or seminar essays
- creating presentations (slightly more advanced)

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Why should I use it?
- $\LaTeX$+ WYSIWYG illustrations
- super fast (if you learn the keyboard shortcuts)
- very flexible due to its customizability

Most important tip: learn the shortcuts!

Basic Usage

Basic Tools

- paths: p, P, b
- curves: i, I
- circles: o, a
- marks: m
- labels: ℓ, $, g
- select: s
- translate: t
- rotate: r
- scale: e

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- filled shapes
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- ctrl + shift + f

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- ctrl + shift + p

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Mouse shortcuts
- ctrl [+ shift] + lclick: select
- ctrl [+ shift] + rclick: scale
- alt + lclick: translate
- alt + rclick: rotate

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- new page: ctrl + i

- copy, paste, cut page: ctrl + shift + c/v/x

- navigating pages: Shift + PgUp / Pg-Down

Customization: Style Sheets & Ipelets

Style sheets

- xml-file describing document features

- available colors, line thickness, arrow shapes, page size, etc.

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Put into `~/.ipe/ipelets/custom.lua`

```lua
function IpeletByName(name)
    for _, ipelet in pairs(_G.ipelets) do
        if ipelet.name == name then
            return(ipelet)
        end
    end
end
IpeletByName("align").skip = 8.0
-- shortcuts to align top to bottom and set
    skip
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See also: `https://github.com/thobl/ipelets`

- hide
- decorator
- offset

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Title

- ctrl + p

Vorschläge zum Üben