Seminar Algorithmentechnik – Ipe Tutorial

Ipe

What is Ipe

- 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 assays
- 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!

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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
- dash
- arrows

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

Layers, Views, Pages

Layers

- every object lives on one layer

- layers can be hidden/shown independently

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- navigating through views: PgUp, PgDown, Pos1, End

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Pages

- independent pages with their own set of layers and views
- new page: ctrl + i
- copy, paste, cut page: ctrl + shift + c/v/x
- navigating pages: Shift + PgUp / PgDown

Customization: Style Sheets & Ipelets

Style sheets

- xml-file describing document features

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

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- lua-code for additional functionality

- folder: .ipe/ipelets (see Help $\rightarrow$ Show configuration)

- settings can be changed via this interface

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Useful Ipelets
- goodies
- align & distribute
- move
- page numbers

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See also: `https://github.com/thobl/ipelets`
- hide
- decorator
- offset

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Advanced Usage

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- be careful: objects are placed on active layer

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Title

- ctrl + p

Vorschläge zum Üben

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