Seminar Algorithmentechnik – Ipe Tutorial
Ipe

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- drawing tool for vector graphics
- supports \LaTeX
- very customizable
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- 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!
Basic Usage

Basic Tools
- paths: p, P, b
- curves: i, l
- 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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- mouse wheel (pan + zoom)
- x, =, \
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Z-Order
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- ctrl + b
- ctrl + shift + b
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Snapping

Document properties
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**Snapping**

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**Mouse shortcuts**
- ctrl [+ shift] + lclick: select
- ctrl [+ shift] + rclick: scale
- alt + lclick: translate
- alt + rclick: rotate
Layers, Views, Pages

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- layers can be hidden/shown independently
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- navigating through views: PgUp, PgDown, Pos1, End
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Pages
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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.
- ctrl + shift + s
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**Ipelets**
- lua-code for additional functionality
- folder: .ipe/ipelets (see Help → 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
- offset
- decorator
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Title
- ctrl + p
Vorschläge zum Üben