

What output do ...

What input do ...

What T_EX do ...

What system ...

The ConT_EXt Story

a quick tour



The next ... minutes

What output do we want
What input do we prefer
 What \TeX do we run
What system do we use

What output do ...

What input do ...

What \TeX do ...

What system ...



What output do we want

What output do ...

What input do ...

What T_EX do ...

What system ...

- high quality paper output
 - one input — multiple output
 - high level of abstraction
- optimal screen output
 - high quality typography
 - dedicated navigation
- **some examples**
 - **local references**
 - **simple but effective**
 - **intelligent menus**
 - **lists and indexes**
 - **text as program**
 - **cross linked source**
 - **lots of graphics**
 - **typical T_EX**
 - **screen and paper**
 - **program as text**
 - **multiple faces**



What input do we prefer

- highly structured ASCII
- medium neutral coding
- **this file**

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What T_EX do we run

- DVI output
 - **dvi generation**
 - **dvi viewing**
- PDF output
 - **pdf generation**
 - **pdf viewing GhostScript**
 - **pdf viewer Acrobat**

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What system do we use

Starting point
Pitfalls
Structure
Typography
Navigation
User interface
Environment
Resources

What output do ...

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Starting point

- typographic tradition
- eternal use
- optimal navigation
- future media
- new visions

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Pitfalls

- structure
- fonts
- graphics
- compression
- portability
- searching
- interactivity
- quality
- flexibility
- protection

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Structure

- multiple layouts
- reordering of data
- degrees of freedom
- easy maintenance
- **fill-in forms**
- **JavaScript**
- sound and **video**

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Typography

- nature (text, math, chem)
- character
- fragmentation
- floating bodies
- adaptive layout
- number substitutes
- enhanced pagebody
- color and backgrounds
- **integrated METAPOST graphics**

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Navigation

- extensive sectioning
- local/global referencing
- (long) cross references
- (linked) indexes
- (linked) lists
- navigation bars
- subpaging
- menus and buttons
- intelligence
- parallelism
- reader profiles
- version control

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User interface

- parameter driven
- project organisation
- **multi lingual**
- minimal hacking needed
- hooks into main routines
- object oriented structure
- selective processing
- isolated specials

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Environment

- programs
 - web2c, emtex, yandytex, pdftex
 - dvipsone, GhostView, Distiller, Reader
 - T_EXEdit
- formats
 - Plain T_EX
 - ConT_EXt

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Resources

- [documentation](#)
- [examples](#)
- www.ntg.nl/context
- ntg-context@ntg.nl
- task force (Gilbert, Hans, Taco, Tobias)

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