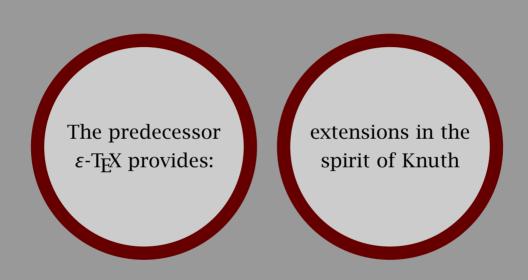
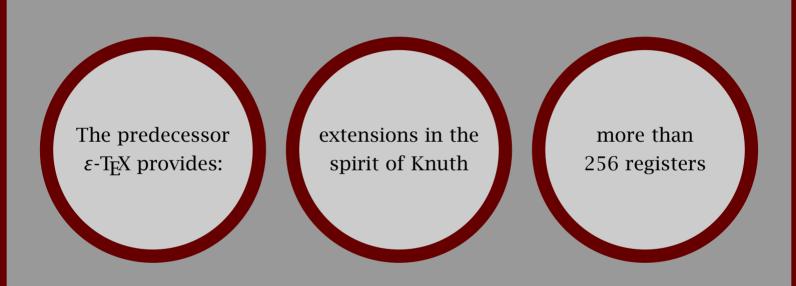
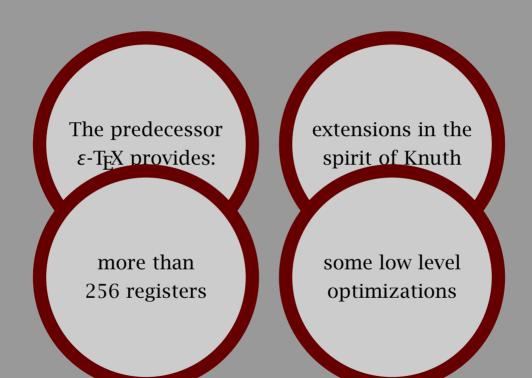
## The Future of NTS

Hans Hagen



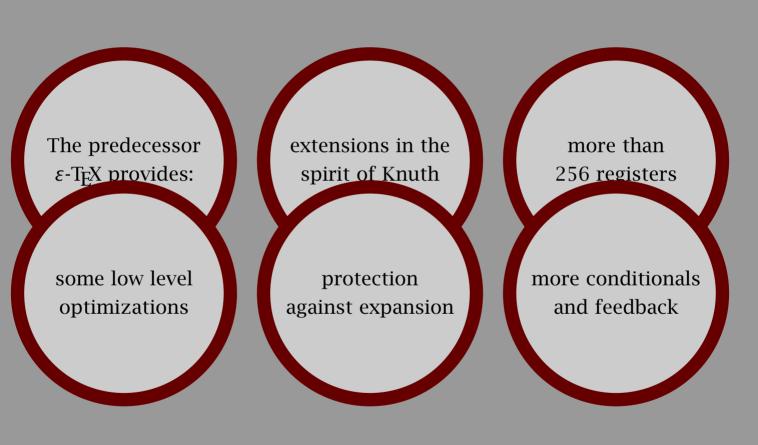






The predecessor extensions in the spirit of Knuth 256 registers

some low level protection against expansion



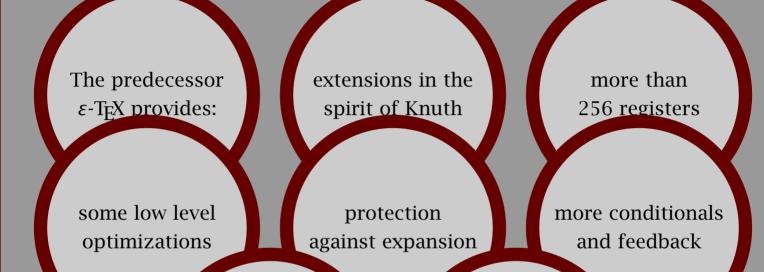
The predecessor extensions in the spirit of Knuth 256 registers

some low level optimizations

protection against expansion

more conditionals and feedback

control over expansion



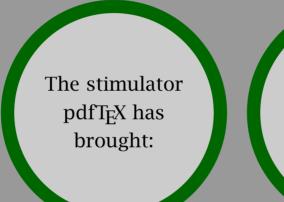
bi-directional

typesetting

control over

expansion





a new high quality backend

The stimulator pdfT<sub>E</sub>X has brought:

a new high quality backend

integration of the postprocessing stage The stimulator pdfT<sub>E</sub>X has

a new high quality backend

integration of the postprocessing stage additional paragraph optimization The stimulator pdfT<sub>E</sub>X has brought:

a new high quality backend

integration of the postprocessing stage

additional paragraph optimization some new (experimental) features





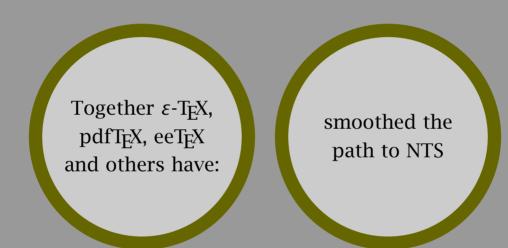
for extensive list manipulations

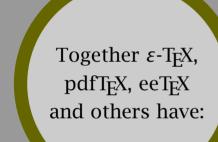
The challenger eeTEX was needed:

for extensive list manipulations

to build an alternative input parser

Together ε-T<sub>E</sub>X, pdfT<sub>E</sub>X, eeT<sub>E</sub>X and others have:





smoothed the path to NTS

opened the road to a more drastic deviation

Together  $\varepsilon$ -T<sub>E</sub>X, pdfT<sub>E</sub>X, eeT<sub>E</sub>X and have:

opened the road to a more drastic deviation smoothed the path to NTS

shown that we cannot neglect alternative in- and output Together  $\varepsilon$ -T<sub>E</sub>X, pdfT<sub>E</sub>X, eeT<sub>E</sub>X and others have:

smoothed the path to NTS

opened the road to a more drastic deviation

shown that we cannot neglect alternative in- and output demonstrated that T<sub>E</sub>X can be extended in a controlled way Together  $\varepsilon$ -T<sub>E</sub>X, pdfT<sub>E</sub>X, eeT<sub>E</sub>X and have:

in- and output

shown that we cannot neglect alternative smoothed the path to NTS

demonstrated that T<sub>E</sub>X can be extended in a controlled way opened the road to a more dragting intion

made clear that many people depend on macro writers Together  $\varepsilon$ -T<sub>E</sub>X, pdfT<sub>E</sub>X, eeT<sub>E</sub>X and others have

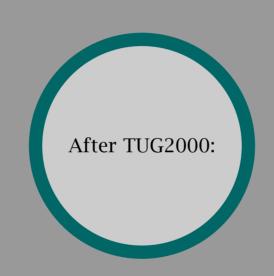
smoothed the path to NTS

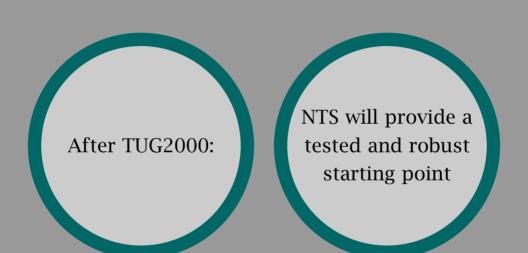
opened the road to a more drastic deviation

shown that we cannot neglect alternative

demonstrated that T<sub>E</sub>X can be extended in a

made clear that many people depend on macro writers learned that change should be guided and guarded





NTS will provide a tested and robust starting point the team will have set up an infrastructure to host discussions

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new functionality and interfaces can be prototyped

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macro packages will become NTS aware

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macro packages will become NTS aware we can expect more things like this ...