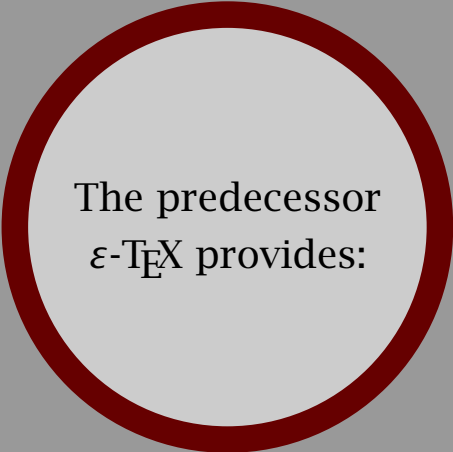



The Future of NTS

Hans Hagen




The predecessor
 ε - $\text{T}_{\text{E}}\text{X}$ provides:



The predecessor
 ε -T_EX provides:



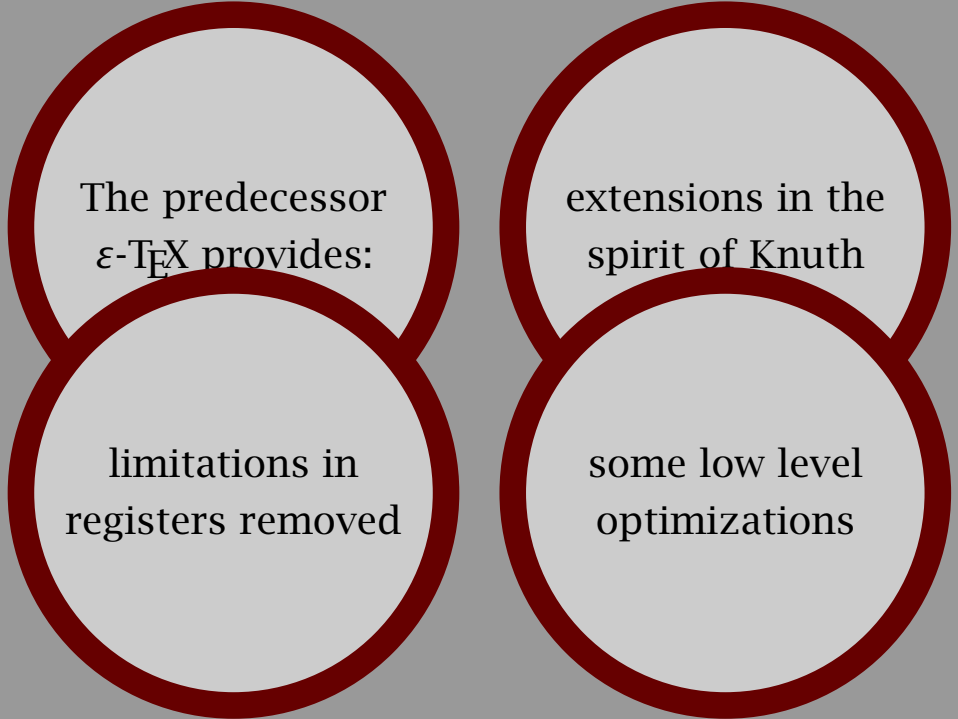
extensions in the
spirit of Knuth



The predecessor
 ϵ - $\text{T}_{\text{E}}\text{X}$ provides:

extensions in the
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limitations in
registers removed



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 ϵ -T_EX provides:

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registers removed

some low level
optimizations

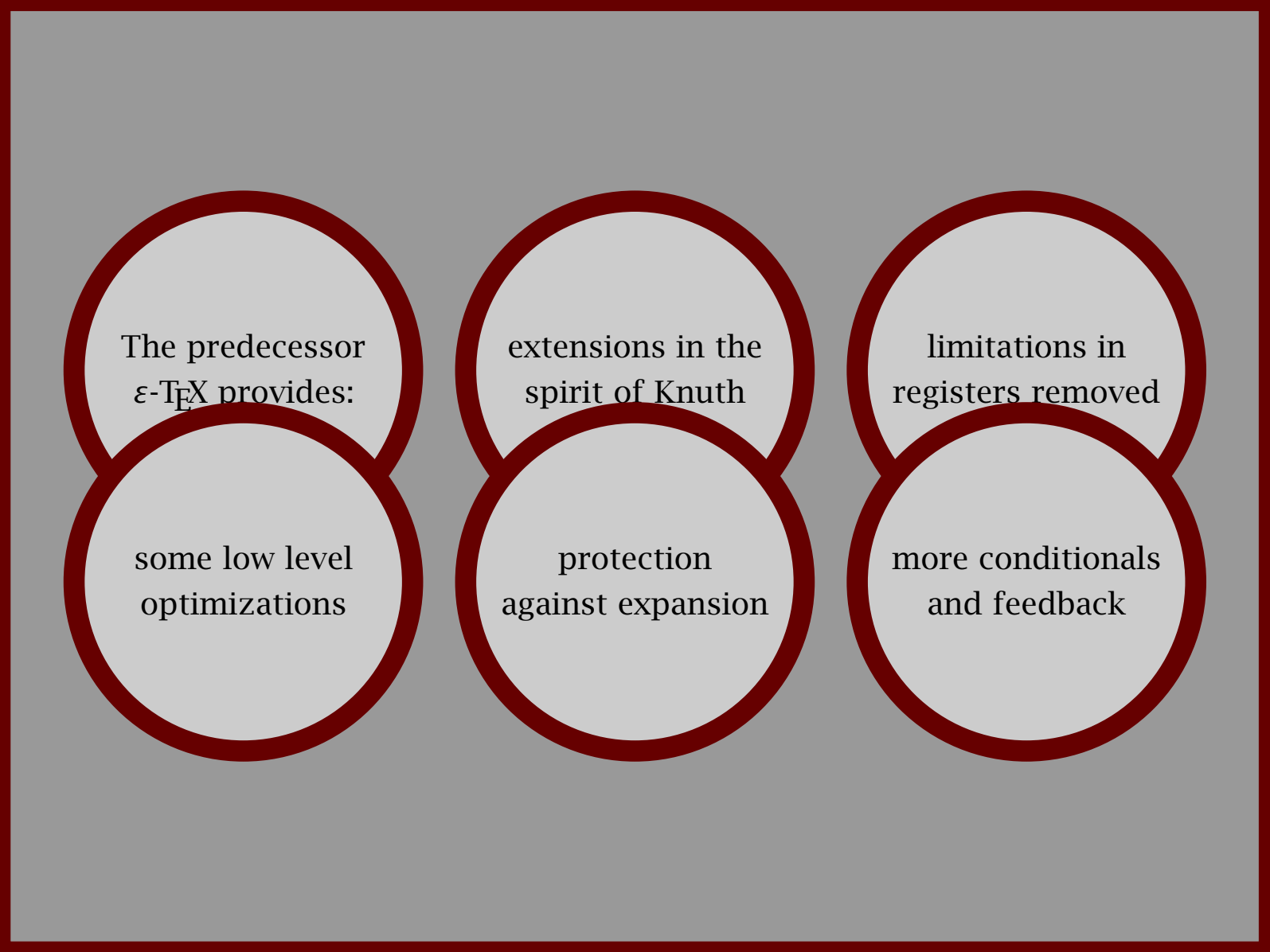
The predecessor
 ϵ -T_EX provides:

extensions in the
spirit of Knuth

limitations in
registers removed

some low level
optimizations

protection
against expansion

The diagram consists of three columns of text, each contained within a pair of overlapping circles. The top circle of each pair is positioned slightly higher and to the left of the bottom circle. The circles have a thick, dark red border. The background is a light gray color. The text is centered within each circle and is in a black serif font.

The predecessor
 ϵ -T_EX provides:

extensions in the
spirit of Knuth

limitations in
registers removed

some low level
optimizations

protection
against expansion

more conditionals
and feedback

The predecessor
 ϵ - \TeX provides:

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registers removed

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control over
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The predecessor
 ϵ -TeX provides:

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limitations in
registers removed


some low level
optimizations

protection
against expansion


more conditionals
and feedback

control over
expansion


bi-directional
typesetting




The stimulator
pdf_TE_X has
brought:



The stimulator
pdf \TeX has
brought:



a new high
quality backend



The stimulator
pdf \TeX has
brought:

a new high
quality backend

removing
the post-
processing stage

The stimulator
pdf_{TEX} has
been able to

a new high
quality backend

removing
the post-
processing stage

additional
paragraph
optimization


The stimulator
pdf_TE_X has
brought:

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some tantalizing
things to
come ...




The challenger
e^eT_EX provided a
playground for:



The challenger
e_eTeX provided a
playground for:



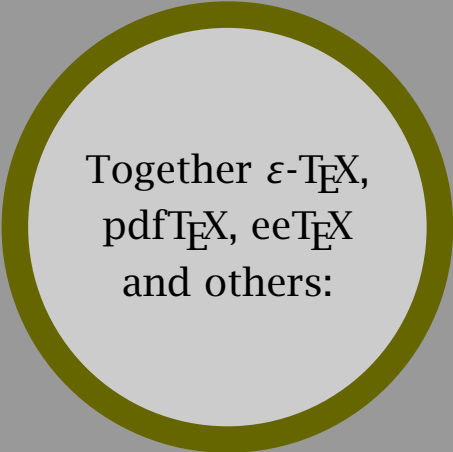
extensive list
manipulations

The image features three blue circles arranged horizontally on a gray background. Each circle contains text. The first circle on the left contains the text 'The challenger eeTeX provided a playground for:'. The middle circle contains 'extensive list manipulations'. The third circle on the right contains 'an alternative input parser'.

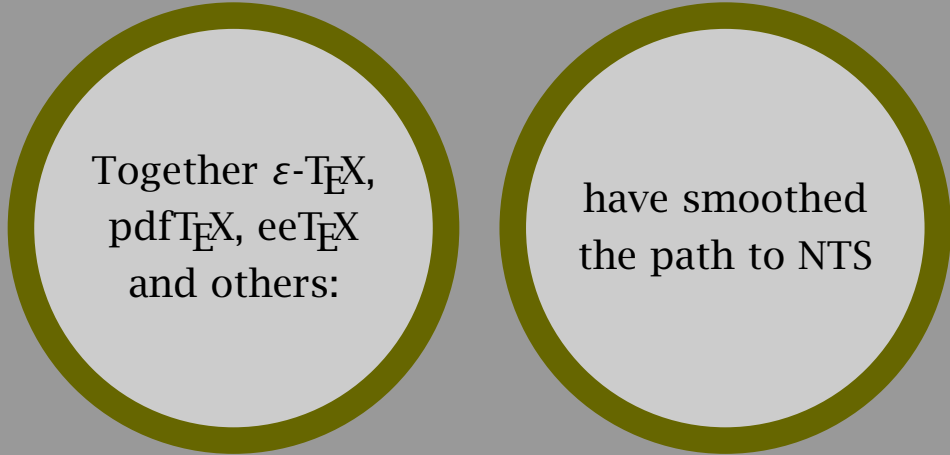
The challenger
eeTeX provided a
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Together ε -T_EX,
pdfT_EX, eeT_EX
and others:



Together ε - $\text{T}_{\text{E}}\text{X}$,
 $\text{pdfT}_{\text{E}}\text{X}$, $\text{eeT}_{\text{E}}\text{X}$
and others:

have smoothed
the path to NTS

Together ϵ -T_EX,
pdfT_EX, eeT_EX
and others:

have smoothed
the path to NTS

have opened the
road to a more
drastic deviation

Together ϵ -TeX,
pdfTeX, eeTeX
and LaTeX:

have opened the
road to a more
drastic deviation

have smoothed
the path to NTS

have shown that
we cannot neglect
alternative
in- and output

Together ε -T_EX,
pdfT_EX, eeT_EX
and others:

have smoothed
the path to NTS

have opened the
road to a more
drastic deviation

have shown that
we cannot neglect
alternative
in- and output

have
demonstrated
that T_EX can be
extended in a
controlled way

Together ϵ - $\text{T}_{\text{E}}\text{X}$,
 $\text{pdf}_{\text{E}}\text{X}$, $\text{ee}_{\text{E}}\text{X}$
and $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$:

have shown that
we cannot neglect
alternative
in- and output

have smoothed
the path to NTS

have
demonstrated
that $\text{T}_{\text{E}}\text{X}$ can be
extended in a
controlled way

have opened the
road to a more
drastic evolution

made clear that
many people
depend on
macro writers

Together ϵ -TeX,
pdfTeX, eeTeX
and others:

have smoothed
the path to NTS

have opened the
road to a more
drastic deviation

have shown that
we cannot neglect
alternative

have
demonstrated
that TeX can be
extended in a

made clear that
many people
depend on
macro writers

have learned
that change
should be guided
and guarded



After TUG2000:



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NTS will provide a
tested and robust
starting point



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the team will
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infrastructure to
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something like this ...