

The \LaTeX package `showexpl`

Examples

1	The <code>overhang</code> parameter	1
2	The <code>wide</code> parameter	1
3	The <code>overhang</code> parameter again	2
4	The <code>wide</code> parameter again	2
5	Floating Example	3
6	The <code>graphic</code> parameter	4
7	Fix width of the result (side-by-side default: <code>0.5\linewidth</code>)	5
8	The <code>varwidth</code> parameter	5
9	Fix width of the result (default: <code>\linewidth</code>)	5
10	The <code>justification</code> parameter	5

The `listings` parameters still works

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```
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```



The `pos`, `overhang`, and `caption` parameters

Example 1: The `overhang` parameter

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```

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 \LaTeX

```
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```



The `wide` parameter with inner and outer position

Example 2: The `wide` parameter

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```

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```
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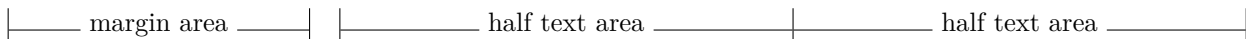
```

More examples on an even (left) page

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```



```
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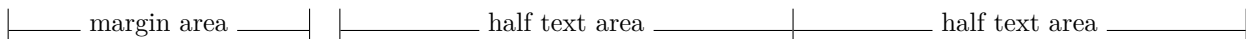
Example 3: The `overhang` parameter again



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```



L^AT_EX L^AT_EX L^AT_EX L^AT_EX

```
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2 \LaTeX{} \LaTeX{}

```

Example 4: The `wide` parameter again



```
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```

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Example 5: This is a floating Example (parameter `rangeaccept=true`)

1 Line 3 \par	Line 3
2 Line 4 \par	Line 4
3 Line 5 \par	Line 5
4 Line 6 \par	Line 6
5 Line 8 \par	Line 8
6 Line 9 \par	Line 9
7 Line 10 \par	Line 10

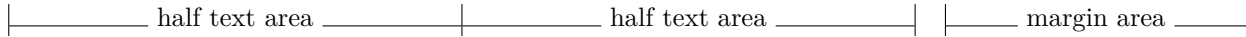
Whole \LaTeX documents as example code and the parameters **preset**, **rframe**, and **rangeaccept**

```

1 \documentclass[a4paper,twoside]{article}
2 \begin{document}
3   \begin{equation}
4     \sigma(t)=\frac{1}{\sqrt{2\pi}}
5     \int_0^t e^{-x^2/2} dx
6   \end{equation}
7 \end{document}

```

$$\sigma(t) = \frac{1}{\sqrt{2\pi}} \int_0^t e^{-x^2/2} dx \quad (0)$$



$$H_c = \frac{1}{2n} \sum_{l=0}^n (-1)^l (n-l)^{p-2} \sum_{l_1+\dots+l_p=l} \prod_{i=1}^p \binom{n_i}{l_i} \cdot [(n-l) - (n_i - l_i)]^{n_i - l_i} \cdot \left[(n-l)^2 - \sum_{j=1}^p (n_i - l_i)^2 \right]. \quad (0)$$

```

1 \documentclass[a4paper,twoside]{
  article}
2 \usepackage{amsmath}
3 % enhancements for mathematical
  formulas
4 \begin{document}
5 \begin{equation}\label{eq:barwq}
6 \begin{split}
7   H_c&=\frac{1}{2n}
8   \sum_{l=0}^n (-1)^l (n-l)^{p-2}
9   \sum_{l_1+\dots+l_p=l} \prod_{i=1}^p
10  \binom{n_i}{l_i} \\\
11  &\quad \cdot [(n-l) - (n_i - l_i)]^{n_i - l_i}
12  \cdot \left[ (n-l)^2 - \sum_{j=1}^p (n_i - l_i)^2 \right].
13 \end{split}
14 \end{equation}
15 \end{document}

```



Using a graphic as the result

```
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```

L^AT_EX L^AT_EX L^AT_EX L^AT_EX

```
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```



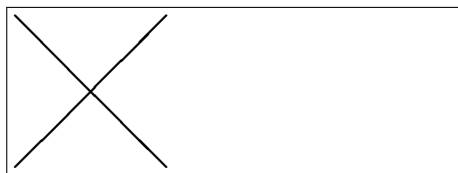
```
1 \Large\LaTeX{} \LaTeX{}
2 \LaTeX{} \LaTeX{}

```



Example 6: The graphic parameter

The parameter `varwidth`

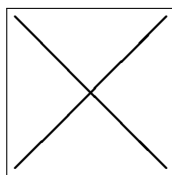


```

1 \setlength{\unitlength}{1cm}
2 \begin{picture}(2,2) \
  thicklines
3 \thicklines
4 \put(0,0){\line(1,1){2}}
5 \put(0,2){\line(1,-1){2}}
6 \end{picture}

```

Example 7: Fix width of the result (side-by-side default: `0.5\linewidth`)



```

1 \setlength{\unitlength}{1cm}
2 \begin{picture}(2,2) \thicklines
3 \put(0,0){\line(1,1){2}}
4 \put(0,2){\line(1,-1){2}}
5 \end{picture}

```

Example 8: Width of the result reduced to the “natural” width (`varwidth=true`)

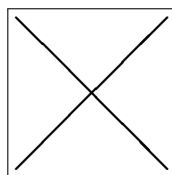


```

1 \setlength{\unitlength}{1cm}
2 \begin{picture}(2,2) \thicklines
3 \put(0,0){\line(1,1){2}}
4 \put(0,2){\line(1,-1){2}}
5 \end{picture}

```

Example 9: Fix width of the result (default: `\linewidth`)



```

1 \setlength{\unitlength}{1cm}
2 \begin{picture}(2,2)
3 \thicklines
4 \put(0,0){\line(1,1){2}}
5 \put(0,2){\line(1,-1){2}}
6 \end{picture}

```

Example 10: Result is centered (`varwidth=true`)