

L'EXTENSION tkz-tab – TABLEAU DE SIGNES

EXTENSION ET EXEMPLES PAR ALAIN MATTHES

Extension tkz-tab



x	$-\infty$	$-\sqrt{2}$	-1	1	$\sqrt{2}$	2	$+\infty$	
$x^2 - 3x + 2$	+	+	+	0	-	-	0	+
$\ln(x^2 - 1)$	+	0	-	(shaded)		-	0	+
$E(x)$	+	0	-	(shaded)		+	0	-

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LE CODE

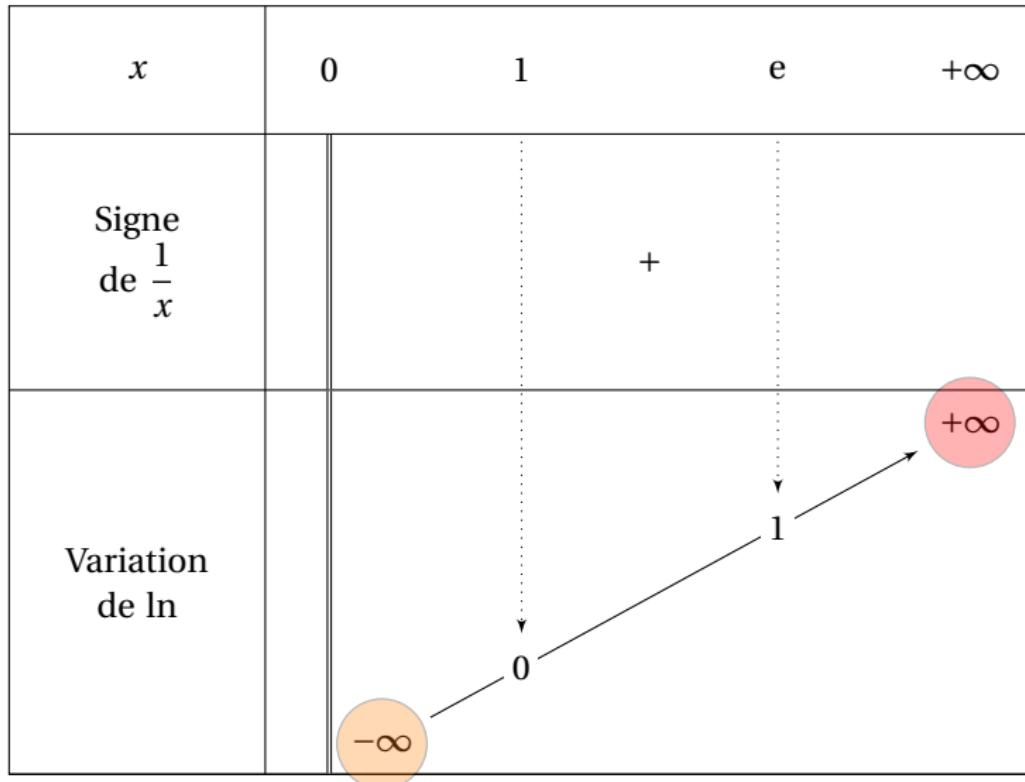
Extension tkz-tab

```
\begin{tikzpicture}
\tkzTabInit[lgt=2,espcl=1]
{$x$ /1,
$x^2-3x+2$ /1,
$\ln (x^2-1)$ /1,
$E(x)$ /1}%
{$-\infty$ , $-\sqrt{2}$, $-1$ , $1$ , %
$\sqrt{2}$ , $2$ , $+\infty$}%
\draw[fill=red!20,opacity=.3] (N10) rectangle (N74);
\draw[decoration={brace,amplitude=12pt},
decorate,line width=2pt,red] (N10) -- (N70)
node[above=12pt,midway]{\textcolor{red}{\textbf{R}}};
\tkzTabLine{+, +, t, +, t, +, z, -, t, -, z, +, }
\tkzTabLine{+, +, z, -, d, h, d, -, z, +, t, +, }
\tkzTabLine{+, +, z, -, d, h, d, +, z, -, z, +, }
\end{tikzpicture}
```

L'EXTENSION tkz-tab – TABLEAU DE VARIATIONS

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L'EXTENSION tkz-tab – TABLEAU DE VARIATIONS

LE CODE

Extension tkz-tab

```
\begin{tikzpicture}[scale=1.2]
\tkzTabInit[espcl=5]%
{$x$/1,%
Signe\%
de $\frac{1}{x}/2,$%
Variation\%
de $\ln/3$%
{$0$ , $+\infty$}%
\tkzTabLine {d,+,%}
\tkzTabVar {D-/ $-\infty$ , + /$+\infty$ }
\draw[opacity=.3,fill=orange] (FR12) circle (10pt);
\draw[opacity=.3,fill=red] (FL22) circle (10pt);
\tkzTabVal[draw] {1}{2} {0.3} {$\text{1}$} {$0$}
\tkzTabVal[draw] {1}{2} {0.7} {$\text{E}$} {$1$}
\end{tikzpicture}
```