A small tour of Prosper facilities

LaTeX presentations made easy

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ntroduction

- If you click on my name in the previous page, you should be directed to the Prosper homepage, provided your Acrobat Reader has been properly configured.
- Press on `CTRL-L` to go to/leave full screen view.
- Curious? Want to go directly to the last page? Push here.

Transitions

`Prosper` offers seven transitions between slides:

- Split;

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- Glitter;
- Replace.

Diagrams

A small diagram with some few lines of LaTeX.

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$$\begin{tikzcd}
(X - A, N - A) \arrow[r, "a"] \arrow[d, "r"'] & (\tilde{\tilde{X}}, a) \arrow[d, "s"'] \\
(X, N) \arrow[r, dashed, "b"'] & (\tilde{\tilde{X}}, N)
\end{tikzcd}$$

A small *clipping* effect

Any practical use for this?

n etait pas une petite gar
mais une porte dérobée. Elle d
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And there are so many other funny effects.

Householder formula

The Householder formula below lets you compute $f^{-1}(x)$ for an arbitrary f.

$$x_{k+1} \mapsto \Phi_n(x_k) = x_k + (n-1)\frac{\left(\frac{1}{f(x_k)}\right)^{n-2}}{\left(\frac{1}{f(x_k)}\right)^{n-1}} + f(x_k)^{n+1} \quad \psi \tag{1}$$

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where $n \geq 2$ and ψ is an arbitrary function.

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where $n \geq 2$ and ψ is an arbitrary function.

Formula (1) gives an iteration of order n converging towards x_* such that: $f(x_*) = 0$.

Last slide

This is the last slide. Do you want to go to the second one?