

A small tour of Prosper facilities

L^AT_EX presentations made easy

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Introduction

- 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 leave full screen view.
- Curious? Want to go directly to the last page? Push [here](#).

Transitions

Prosper offers seven transitions between slides:

- Split;

Transitions

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- Blinds;

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- Glitter;
- Replace.

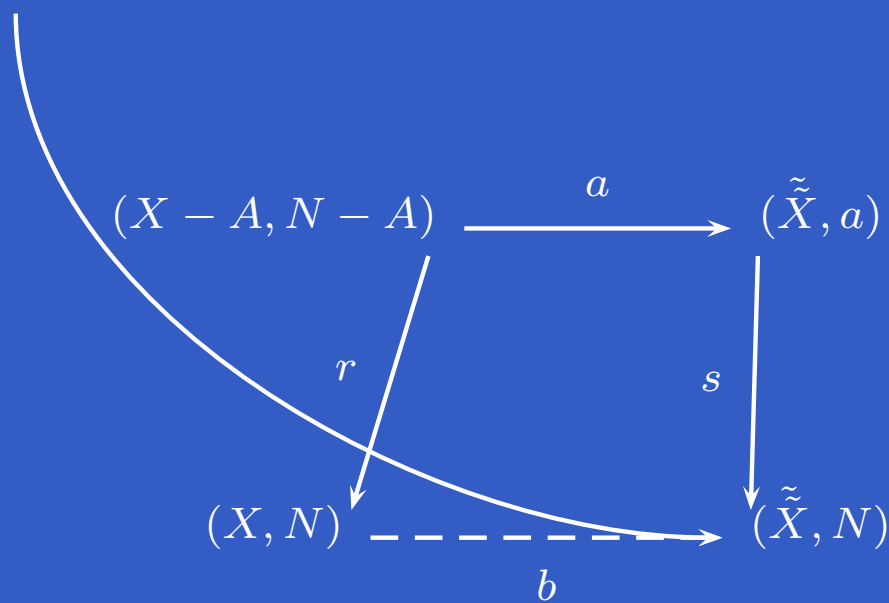
Diagrams

A small diagram with some few lines of \LaTeX .

$$\begin{array}{ccc} (X - A, N - A) & \xrightarrow{a} & (\tilde{X}, a) \\ & \searrow r & \downarrow s \\ (X, N) & \xrightarrow{\quad b \quad} & (\tilde{X}, N) \end{array}$$

Diagrams

A small diagram with some few lines of \LaTeX . Since the diagram and the text are at the same level, there is no difficulty to add some link from one to another.



A small *clipping* effect

Any practical use for this?

Il était pas une petite province, mais une porte dérobée. Elle donnait en apparence sur la campagne. Sous l'œil d'un contrôleur paisible on gagnait une route blanche, un air d'été.

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Il y avait un air

And there are still many other funny effects...

Householder formula

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

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

Householder formula

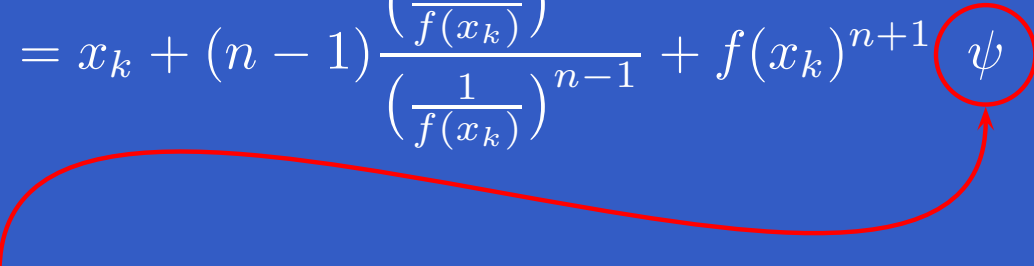
The Householder formula below lets you compute $f^{-1}(x)$ for an arbitrary f .

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

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

Householder formula

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

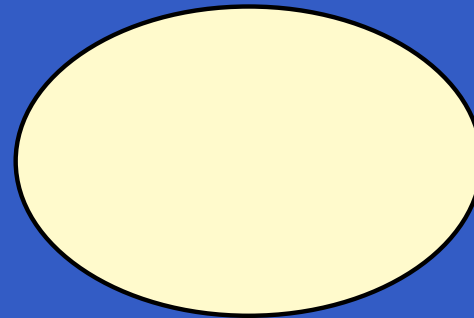
$$x_{k+1} \mapsto \Phi_n(x_k) = x_k + (n-1) \frac{\left(\frac{1}{f(x_k)}\right)^{n-2}}{\left(\frac{1}{f(x_k)}\right)^{n-1}} + f(x_k)^{n+1} \psi \quad (3)$$


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

Formula (3) gives an iteration of order n converging towards x_* such that: $f(x_*) = 0$.

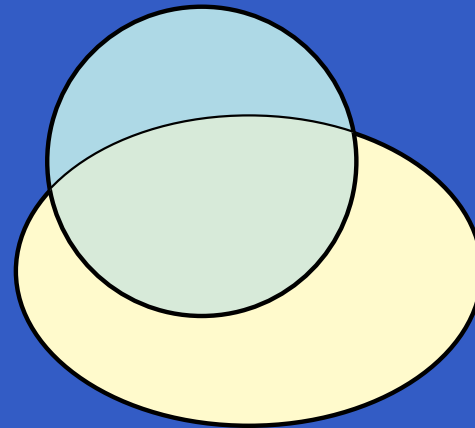
Overlaps of colors

Intersection of sets. First the yellow one ...



Overlaps of colors

Intersection of sets. First the yellow one ... Then the blue one. Remember how to do that with MS PowerPoint?



Last slide

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