

# A small tour of Prosper facilities

## *LaTeX presentations made easy*

Frédéric Goualard

Centrum voor Wiskunde en Informatica  
The Netherlands

# Introduction

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- 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

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Prosper offers seven transitions between slides:

- Split;

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# Transitions

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Prosper offers seven transitions between slides:

- Split;
- Blinds;
- Box;
- Wipe;
- Dissolve;
- Glitter;
- Replace.

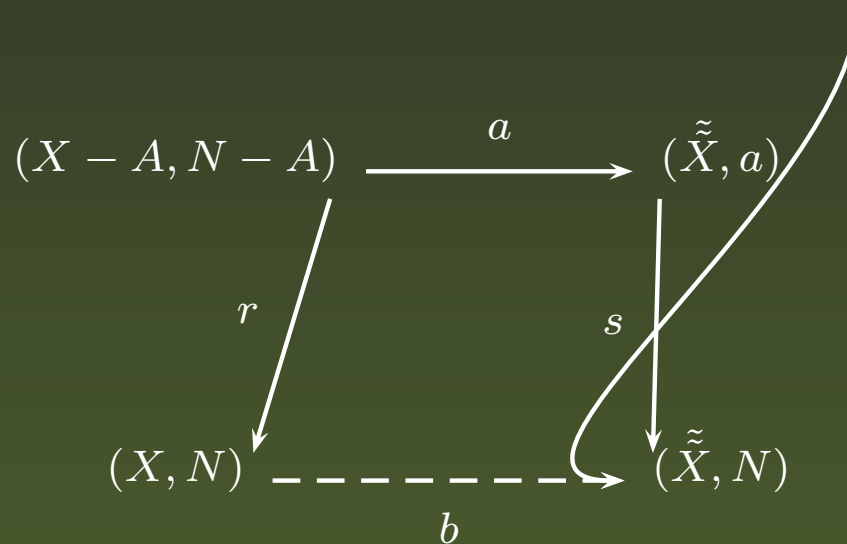
# Diagrams

A small diagram with some few lines of L<sup>A</sup>T<sub>E</sub>X.

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

# Diagrams

A small diagram with some few lines of L<sup>A</sup>T<sub>E</sub>X. 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

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Any practical use for this?

Il n'était pas une petite gare  
mais une porte dérobée. Elle donnait  
en apparence sur la campagne. Sous  
l'œil d'un contrôleur paisible on gagnait  
une route blanche sans mystère  
des églises.

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And there are so many other funny effects.

# Householder formula

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

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

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

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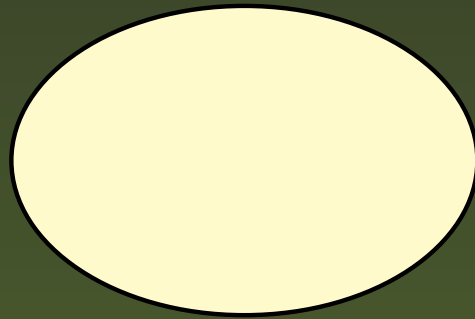
Formula (1) gives an iteration of order  $n$  converging towards  $x_*$  such that:  $f(x_*) = 0$ .



# Overlaps of colors

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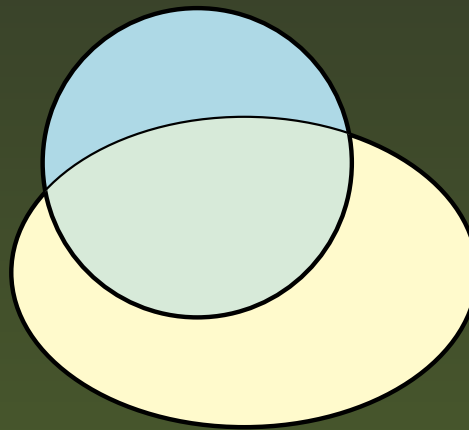
Intersection of sets. First the yellow one...



# Overlaps of colors

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



# Last slide

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