

# How to convert axiomatic sets into algebras

This is merely a Fake Title with no Cream

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June 29, 2009



# Frametitles have a strong background





- Titles And Subtitles



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- Do PDFLaTeX and voila!



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## Example

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## This is a block

This is text in a block

- This is an **important** item in a block. <sup>a</sup>

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<sup>a</sup>Footnotes are possible as well.





## Theorem

*Parker, 2008*

- This is an **important** item in a theorem.



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*Parker, 2008*

- This is an **important** item in a theorem.

## Definition

Closed under complements

A family  $\mathcal{U}$  of subsets of  $X$  is closed under complements iff

$$\forall A \in \mathcal{U}, A^c \in \mathcal{U}$$





## Theorem

*Assume  $I_1, I_2, \dots, I_n$  are disjoint finite closed intervals and let  $\mathcal{U} = \{I_1, I_2, \dots, I_n\}$ . If  $2^x + 1 \leq n \leq 2^{x+1}$  Then the last family is  $\mathcal{U}_{x+2}$ .*

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# Even more structural elements

Verse, Quote and Quotation



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*This is a text in verse style.*

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## Verse, Quote and Quotation



*This is a text in verse style.*

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# Even more structural elements

## Verse, Quote and Quotation



*This is a text in verse style.*

*This is a quote.*

*While this is a quotation. Note how it has a larger indentation in the first line.*

Beamer's biggest strength for scientific presentations is its ability to use the full power of  $\text{\LaTeX}$ 's mathematical displays.

$$\begin{aligned} D_{\text{KL}}(P_0, P_\infty) &= \sum_{\gamma\delta} P_0^{\gamma\delta} \log P_0^{\gamma\delta} - \sum_{\gamma\delta} P_0^{\gamma\delta} \log P_\infty^{\gamma\delta} \\ &= -H(P_0) - \langle \log P_\infty \rangle_0 \end{aligned} \tag{1}$$

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  - Beamer can do a lot more. For overlays, figures with captions, etc., have a look at [Tantau, 2007]. But don't get carried away! Simple is nearly always better.

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-  Tantau, Till  
*The Beamer class*  
<http://latex-beamer.sourceforge.net/>
-  University of Cambridge  
*Identity Guidelines – first edition, May 2008*  
<http://www.admin.cam.ac.uk/offices/...communications/services/identityguidelines/>