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# **Boxes with pandoc-latex-environment and tcolorbox**

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## Vinaque sanguine metuenti cuiquam Alcyone fixus

### Aesculeae domus vincemur et Veneris adsuetus lapsum

Lorem markdownum Letoia, et alios: figurae flectentem annis aliquid Peneosque ab esse, obstat gravitate. Obscura atque coniuge, per de coniunx, sibi **medias commentaque virgine** anima tamen comitemque petis, sed. In Amphion vestros hamos ire arceor mandere spicula, in licet aliquando.

```
1 public class Example implements LoremIpsum {
2     public static void main(String[] args) {
3         if(args.length < 2) {
4             System.out.println("Lorem ipsum dolor sit amet");
5         }
6     } // Obscura atque coniuge, per de coniunx
7 }
```

Porrigitur et Pallas nuper longusque cratere habuisse sepulcro pectore fertur. Laudat ille auditi; vertitur iura tum nepotis causa; motus. Diva virtus! Acrota destruitis vos iubet quo et classis excessere Scyrumve spiro subitusque mente Pirithoi abstulit, lapides. (**misc?**){official ferrari website, url={https://www.ferrari.com/}, journal={Official Ferrari website}}

### Lydia caelo recenti haerebat lacerum ratae at

Te concepit pollice fugit vias alumno **oras** quam potest **rursus** optat. Non evadere orbem equorum, spatiis, vel pede inter si.

1. De neque iura aquis
2. Frangitur gaudia mihi eo umor terrae quos
3. Recens diffudit ille tantum

$$p_{ij}(t) = \frac{\ell_j(t) - \ell_i(t)}{\sum_{k \in N_i(t)} \ell_k(t) - \ell_i(t)} \quad (1)$$

Tamen condeturque saxa Pallorque num et ferarum promittis inveni lilia iuvencae adessent arbor. Florente perque at condeturque saxa et ferarum promittis tendebat. Armos nisi obortas refugit me.

Et nepotes poterat, se qui. Euntem ego pater desuetaque aethera Maeandri, et [Dardanio geminaque](#) cernit. Lassaque poenas nec, manifesta  $\pi r^2$  mirantia captivarum prohibebant scelerato gradus unusque dura.

- Permulcens flebile simul
- Iura tum nepotis causa motus diva virtus Acrota. Tamen condeturque saxa Pallorque num et ferarum promittis inveni lilia iuvencae adessent arbor. Florente perque at ire arcum.

## Example Footnote

Here is a simple footnote<sup>1</sup>. With some additional text after it.

## Zitate

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent enim urna, dapibus et bibendum vel, consectetur et turpis. Cras a molestie nulla. (Hemingway, 1952)

Blah blah (see Hemingway, 1952, pp. 33–35; also **smith04?**, ch. 1).

Blah blah (Hemingway, 1952, pp. 33–35, 38–39 and *passim*).

Blah blah (Hemingway, 1952).

Hemingway (1952) says blah.

Hemingway (1952, p. 33) says blah.

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<sup>1</sup> My reference.

## Referenz

Bla da und dort asdf (**sec:implementation?**)

## Vinaque sanguine metuenti cuiquam Alcyone fixus

### Aesculeae domus vincemur et Veneris adsuetus lapsum

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```
1 public class Example implements LoremIpsum {
2     public static void main(String[] args) {
3         if(args.length < 2) {
4             System.out.println("Lorem ipsum dolor sit amet");
5         }
6     } // Obscura atque coniuge, per de coniunx
7 }
```

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### Lydia caelo recenti haerebat lacerum ratae at

Te concepit pollice fugit vias alumno **oras** quam potest **rursus** optat. Non evadere orbem equorum, spatiis, vel pede inter si.

1. De neque iura aquis
2. Frangitur gaudia mihi eo umor terrae quos

### 3. Recens diffudit ille tantum

$$p_{ij}(t) = \frac{\ell_j(t) - \ell_i(t)}{\sum_{k \in N_i(t)} \ell_k(t) - \ell_i(t)} \quad (2)$$

Tamen condeturque saxa Pallorque num et ferarum promittis inveni lilia iuvencae adessent arbor. Florente perque at condeturque saxa et ferarum promittis tendebat. Armos nisi obortas refugit me.

Et nepotes poterat, se qui. Euntem ego pater desuetaque aethera Maeandri, et [Dardanio geminaque](#) cernit. Lassaque poenas nec, manifesta  $\pi r^2$  mirantia captivarum prohibebant scelerato gradus unusque dura.

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### Example Footnote

Here is a simple footnote<sup>2</sup>. With some additional text after it.

## Images and Tables

### LaTeX Table with Caption

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr.

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<sup>2</sup> My reference.

**Tabelle 1:** Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Test Nr.	Position	Radius	Rot	Grün	Blau	beste Fitness	Abweichung
1	20 %	20 %	20 %	20 %	20 %	7,5219	0,9115
2	0 %	25 %	25 %	25 %	25 %	8,0566	1,4462
3	0 %	0 %	33 %	33 %	33 %	8,7402	2,1298
4	50 %	20 %	10 %	10 %	10 %	6,6104	0,0000
5	70 %	0 %	10 %	10 %	10 %	7,0696	0,4592
6	20 %	50 %	10 %	10 %	10 %	7,0034	0,3930

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr.

## Image with Caption

## Markdown Table without Caption

Lorem markdownum Letoia, et alios: figurae flectentem annis aliquid Peneosque abesse, obstat gravitate. Obscura atque coniuge, per de coniunx, sibi medias commentaque virgine anima tamen comitemque petis, sed. In Amphion vestros hamos ire arceor mandere spicula, in licet aliquando.



**Abbildung 1:** Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Test Nr.	Position	Radius	Rot	Grün	Blau	beste	Abweichung
						Fitness	
1	20 %	20 %	20 %	20 %	20 %	7,5219	0,9115
2	0 %	25 %	25 %	25 %	25 %	8,0566	1,4462
3	0 %	0 %	33 %	33 %	33 %	8,7402	2,1298
4	50 %	20 %	10 %	10 %	10 %	6,6104	0,0000
5	70 %	0 %	10 %	10 %	10 %	7,0696	0,4592
6	20 %	50 %	10 %	10 %	10 %	7,0034	0,3930
7	40 %	15 %	15 %	15 %	15 %	6,9122	0,3018

Porrigitur et Pallas nuper longusque cratere habuisse sepulcro pectore fertur. Laudat ille auditi; vertitur iura tum nepotis causa; motus. Diva virtus! Acrota destruitis vos iubet quo et classis excessere Scyrumve spiro subitusque mente Pirithoi abstulit, lapides.



## Image without Caption



## Boxes with `pandoc-latex-environment` and `awesomebox`

This example demonstrates the use of the filter `pandoc-latex-environments` to create custom boxes with the `awesomebox` package. *pandoc-latex-environment* is a pandoc filter for adding LaTeX environment on specific HTML div tags.

### Box Types

For a list of all available boxes and options visit the [awesomebox documentation](#).

```
1 ::: note
2 Lorem ipsum dolor ...
3 :::
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

```
1 ::: tip
2 Lorem ipsum dolor ...
3 :::
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

```
1 ::: warning
2 Lorem ipsum dolor ...
3 :::
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

```
1 ::: caution
2 Lorem ipsum dolor ...
3 :::
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

```
1 ::: important
2 Lorem ipsum dolor ...
3 :::
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Fusce aliquet augue sapien, non efficitur mi ornare sed. Morbi at dictum felis. Pellentesque tortor lacus, semper et neque vitae, egestas commodo nisl.

One can also use raw HTML `div` tags to create the custom environments.

```
1 <div class="important">
2 Lorem ipsum dolor ...
```

```
3 </div>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

Markdown formatting inside the environments is supported.

**Lorem ipsum dolor** sit amet, `consectetur adipiscing` elit.

```
1 if(args.length < 2) {  
2     System.out.println("Lorem ipsum dolor sit amet");  
3 }
```

*Nam aliquet libero quis lectus elementum fermentum.*

## Boxes with `pandoc-latex-environment` and `tcolorbox`

This example demonstrates the use of the filter `pandoc-latex-environments` to create custom boxes with the `tcolorbox` package. `pandoc-latex-environment` is a pandoc filter for adding LaTeX environment on specific HTML div tags. For a list of all available options visit the [tcolorbox documentation](#).

### Simple Box

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam aliquet libero quis lectus elementum fermentum.

### Markdown inside the Box

Markdown formatting inside the environment is supported.

Lorem ipsum **dolor** sit amet, consectetur adipiscing elit.

```
1 if(args.length < 2) {  
2     System.out.println("Lorem ipsum dolor sit amet");  
3 }
```

*Nam aliquet libero quis lectus elementum fermentum.*

## Custom Box

One can define custom boxes in the LaTeX preamble with the variable `header-includes` at the top of this document.

**Info:** This is a custom box that may be used to show info messages in your document.

**Warning:** This is a custom box that may be used to show warning messages in your document.

**Error:** This is a custom box that may be used to show error messages in your document.

## Bibliography

Hemingway, E. (1952). *The old man and the sea*. Charles Scribner's Sons.