

Title of document

Optional subtitle of document

Name of presenter

Friedrich-Alexander-Universität Erlangen-Nürnberg

Date



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Test

Test

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 - 2.2 Running text
3. Multiple columns
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Common slide styles

Slide with bullet points

This subtitle can be removed

- This is the first and (**very important!**) point
- and the second one that is highlighted
 - Several layers of bullet points are possible
 - and up to
 - four layers (*not very relevant*)
 - Bullet point with hint **Hint!**
- Additional point with spacing
 - sub points ...
 - ... with spacing.

1. Enumerations ...

1. ... and layered enumerations ...

2. ... are supported.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum. ¹

¹Hi, I am a footnote.

Multiple columns

Two columns

first column

second column

Two columns

different widths ...

... are also possible.

different widths ...

... are also possible.

Three columns

first columns

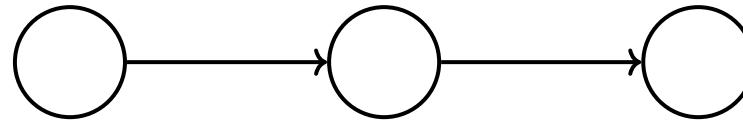
second column

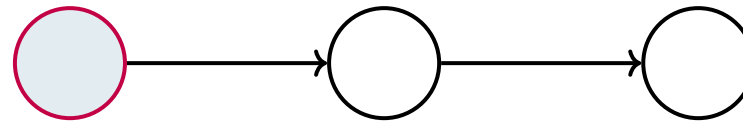
third column

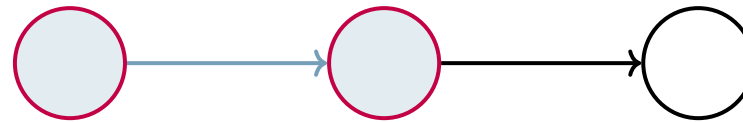
Animations

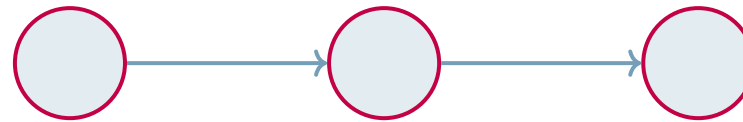
- Some lines are visible at the start ...
- ... while others appear later.

- Some lines are visible at the start ...
- ... while others appear later.

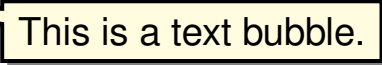
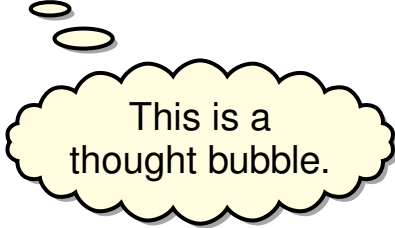








Text bubbles

- A bullet point with a marker  This is a text bubble.
- another bullet point with a marker  This is a thought bubble.

Block environments

Common block

Content of block

Example block

Content of block

Alert block

Content of block

Hint block

Content of block

Code block

Content of block

Empty slides

This is an empty slide.

This is an empty slide.

This is an empty and centered slide.



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Code

Example

```
public final class Foo {  
    public static void main(final String[] args) {  
        System.out.println("hello, world"); // print "hello, world"  
    }  
}
```

Literature

This is a slide with references



First reference.

Second reference.

Tables

No.	Monday	Tuesday	Wednesday	Thursday	Friday
1	A	B	C	D	E
2	F	G	H	J	K
3	A	B	C	D	E

Tabelle: General Table

```
\begin{table} \begin{tabular}{|c|c|c|c|c|c|} \hline
    No. & Monday & Tuesday & Wednesday & Thursday & Friday\\ \hline
    1 & A & B & C & D & E \\ \hline
    2 & F & G & H & J & K \\ \hline
    3 & A & B & C & D & E \\ \hline
\end{tabular}
\caption{General Table}
\end{table}
```

Table Title					
No.	Monday	Tuesday	Wednesday	Thursday	Friday
1	A	B	C	D	E
2	F	G	H	J	K
3	A	B	C	D	E

```
\begin{fancytable}{Table Title}{width per entry}
    {Content with same semantic as on slide 4}
\end{fancytable}
```


Algorithm Analysis

Algorithm	Run time	Remark
Our algorithm	$O(\log n)$	fast
This is a big Old algorithm	$O(n^3)$	pretty slow
New algorithm	$O(n)$	still slow

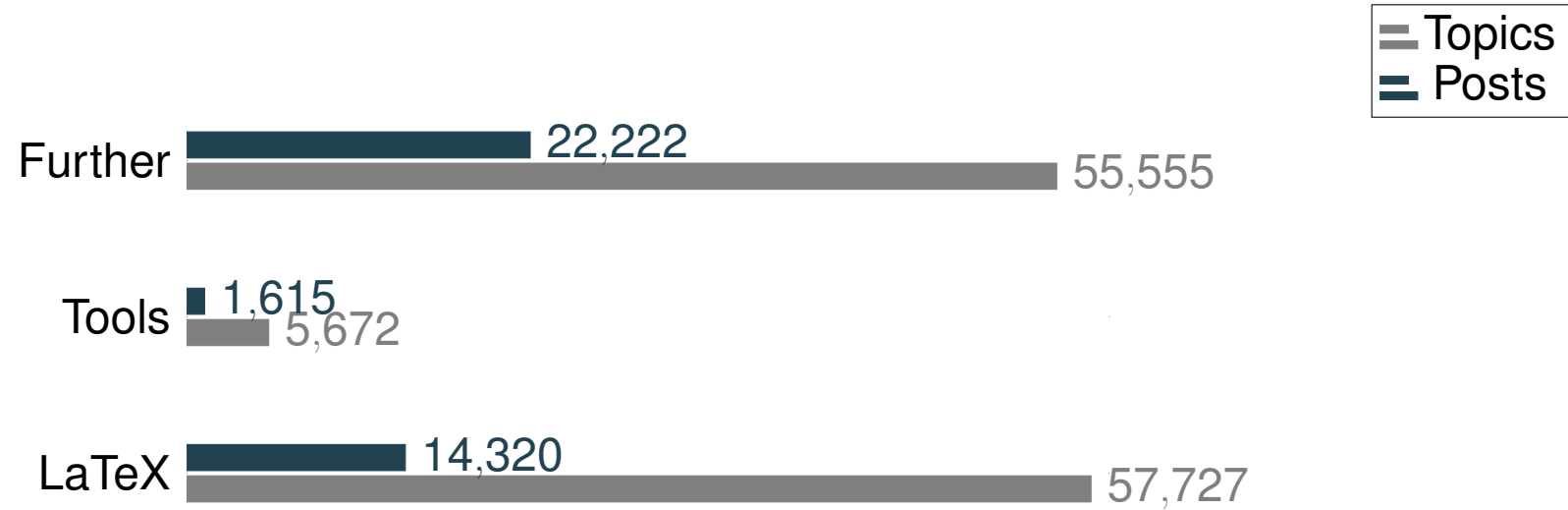
Algorithm Analysis			
<input type="checkbox"/>	Algorithm	Run time	Remark
<input checked="" type="checkbox"/>	Our algorithm	$O(\log n)$	fast
<input type="checkbox"/>	This is a big Old algorithm	$O(n^3)$	pretty slow
<input type="checkbox"/>	New algorithm	$O(n)$	still slow

Diagrams

For official presentations, please use the predefined color palette:

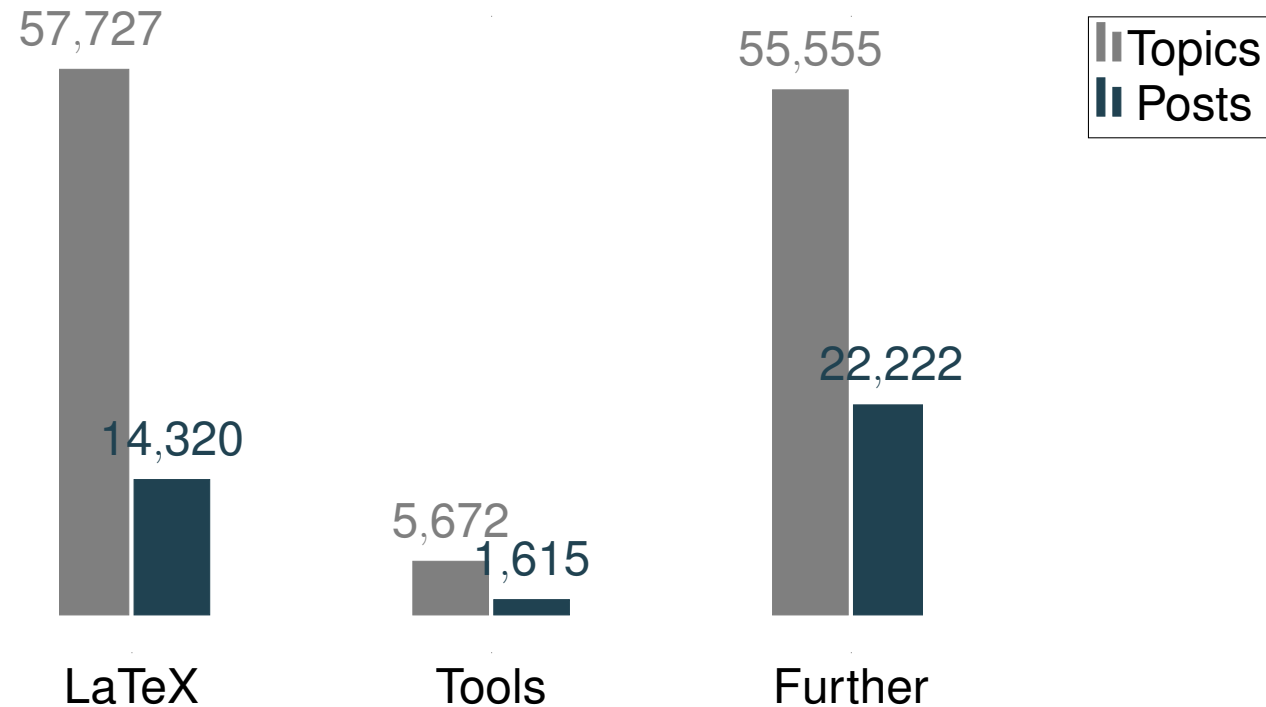
- First color to use, color is named *color0*
- Second color to use, color is named *color1*
- Third color to use, color is named *color2*
- Fourth color to use, color is named *color3*
- Fifth color to use, color is named *color4*
- Sixth color to use, color is named *color5*

Contributions per category at LaTeX-Community.org



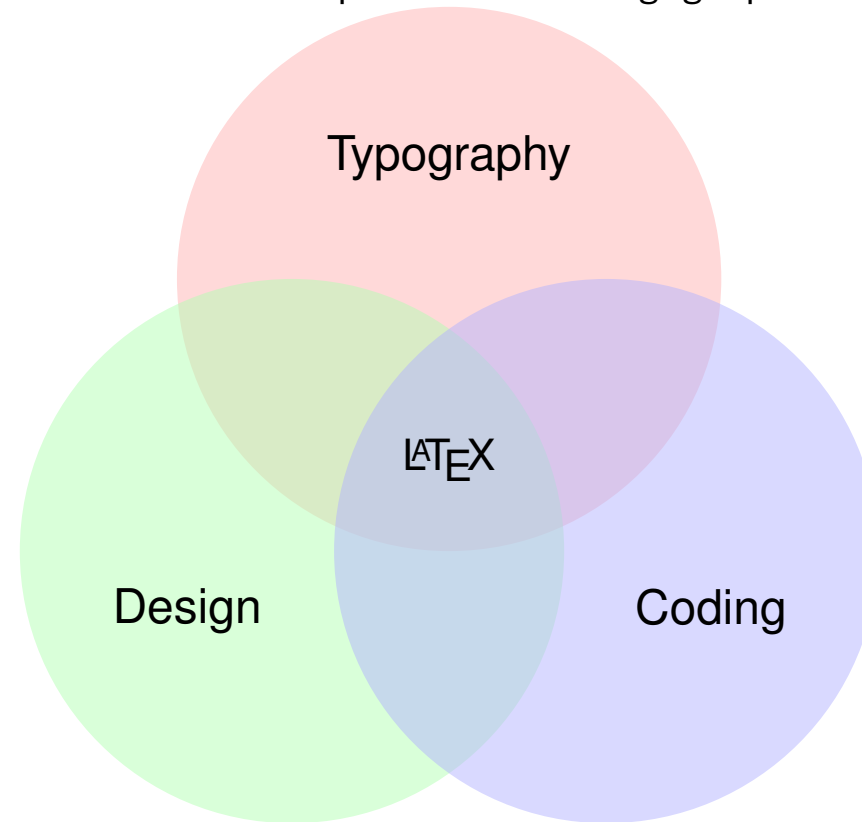
Vertical Bar Chart

Contributions per category at LaTeX-Community.org

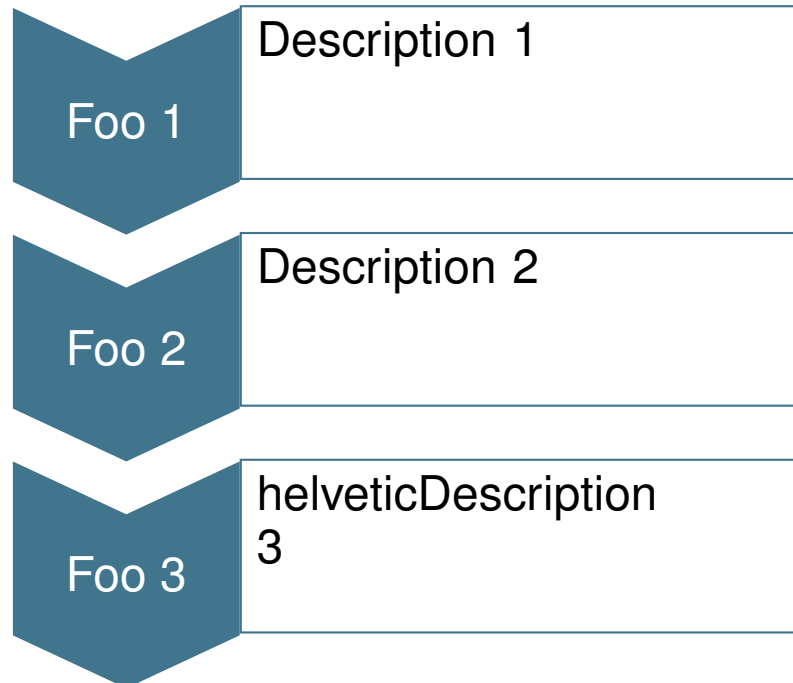


Further information and settings can be found

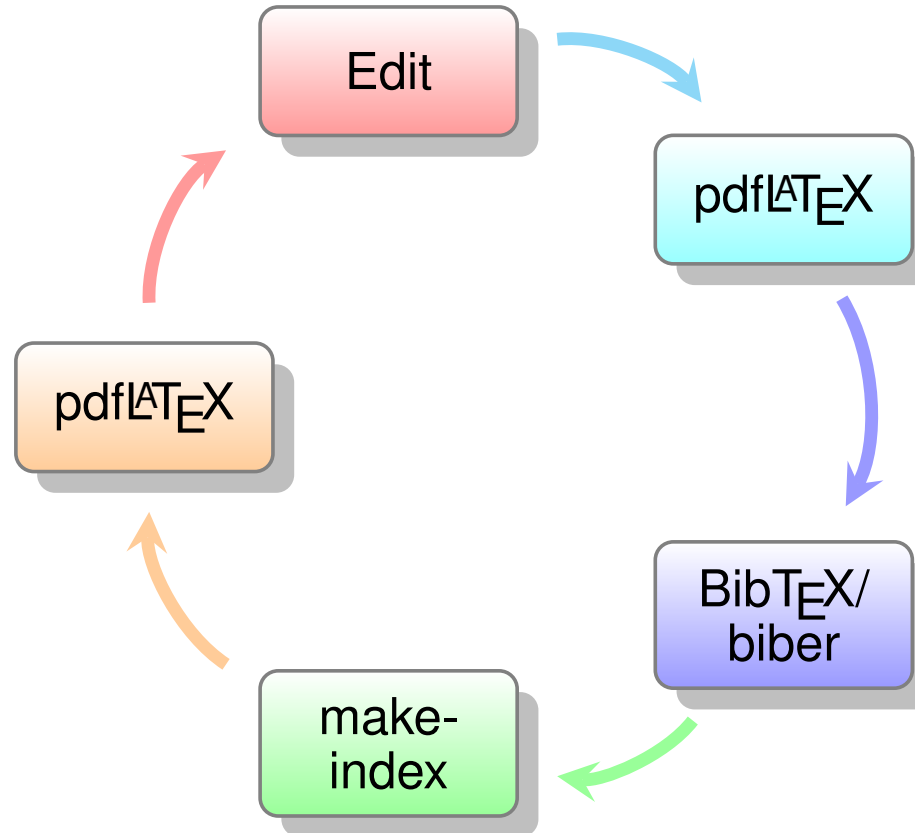
<https://latex-cookbook.net/contents/chapter-9-creating-graphics/9-6-drawing-a-pie-chart/>

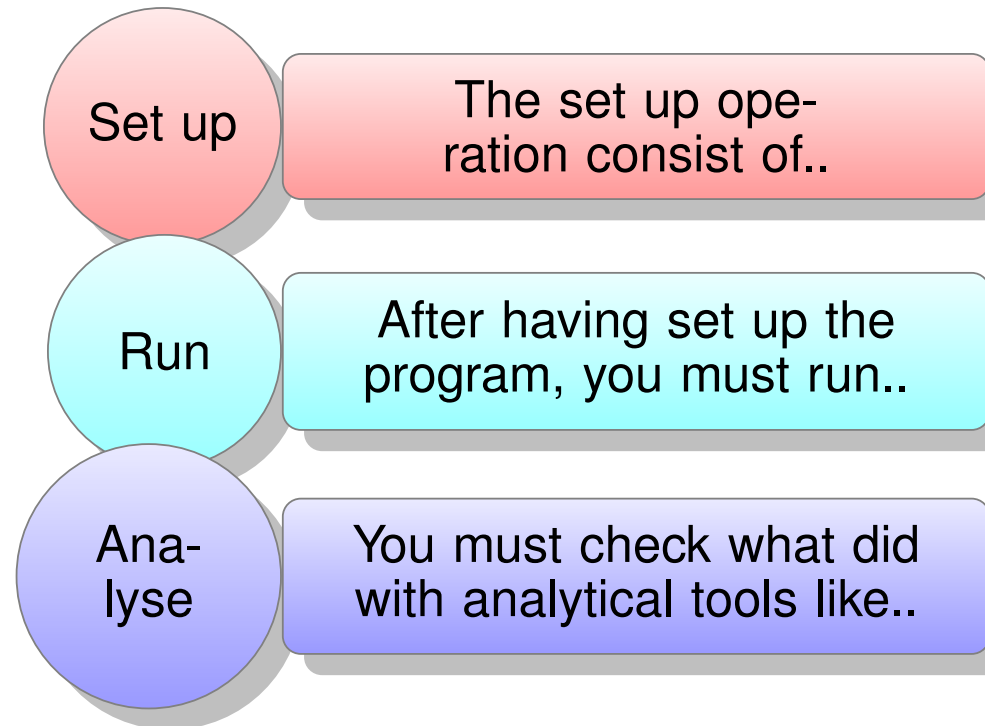


Time-driven Descriptive Diagram



- For \LaTeX , there also exist the possibility to use smart diagrams
- A good overview of a nice package already imported can be found <https://texdoc.org/serve/smartdiagram/0>
- Two examples can be found at the next two slides
- For presentation, you can also use `smartdiagramanimated` instead of `smartdiagram` to get an animated version





Additional Slides

Definition

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley.

Some Im- portant Points

We can also add other environments

1. First point
 2. Second point
 3. Third Point
- And here we stop.

```
\circleimage[width=2cm]{faugray}{3cm}{art/fau-logo}
```



Short

Write concise sentences.



Simple

Do not complicate things.



Smart

Present ideas in a smart way.

You can get cool clip-arts from <https://openclipart.org>.

Two column slide with shadowed image

We can include images with hint of shadows.
`\shadowimage[scale=0.5]{_art/example}` and of course
`\includegraphics` works too.



Card
A usual card with an
image at corner.



```
\card{faubblue-1}{faured}{5cm}  
{_art/exampleo}{<text>}
```

Simple Card
This is a simple card.

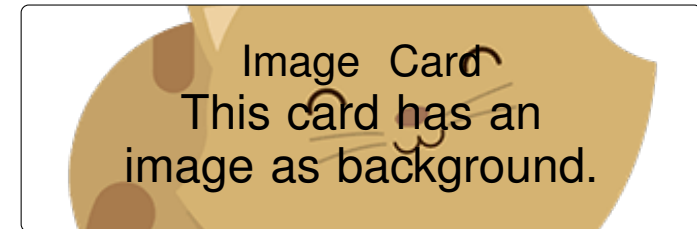
```
\simplecard{faugreen}{6cm}{<text>}
```

Side Image Card
This is a side image
card.



```
\sideimagecard{fauorange}{6cm}{art/fau-logo}{<text>}
```

Image Card
This card has an
image as background.



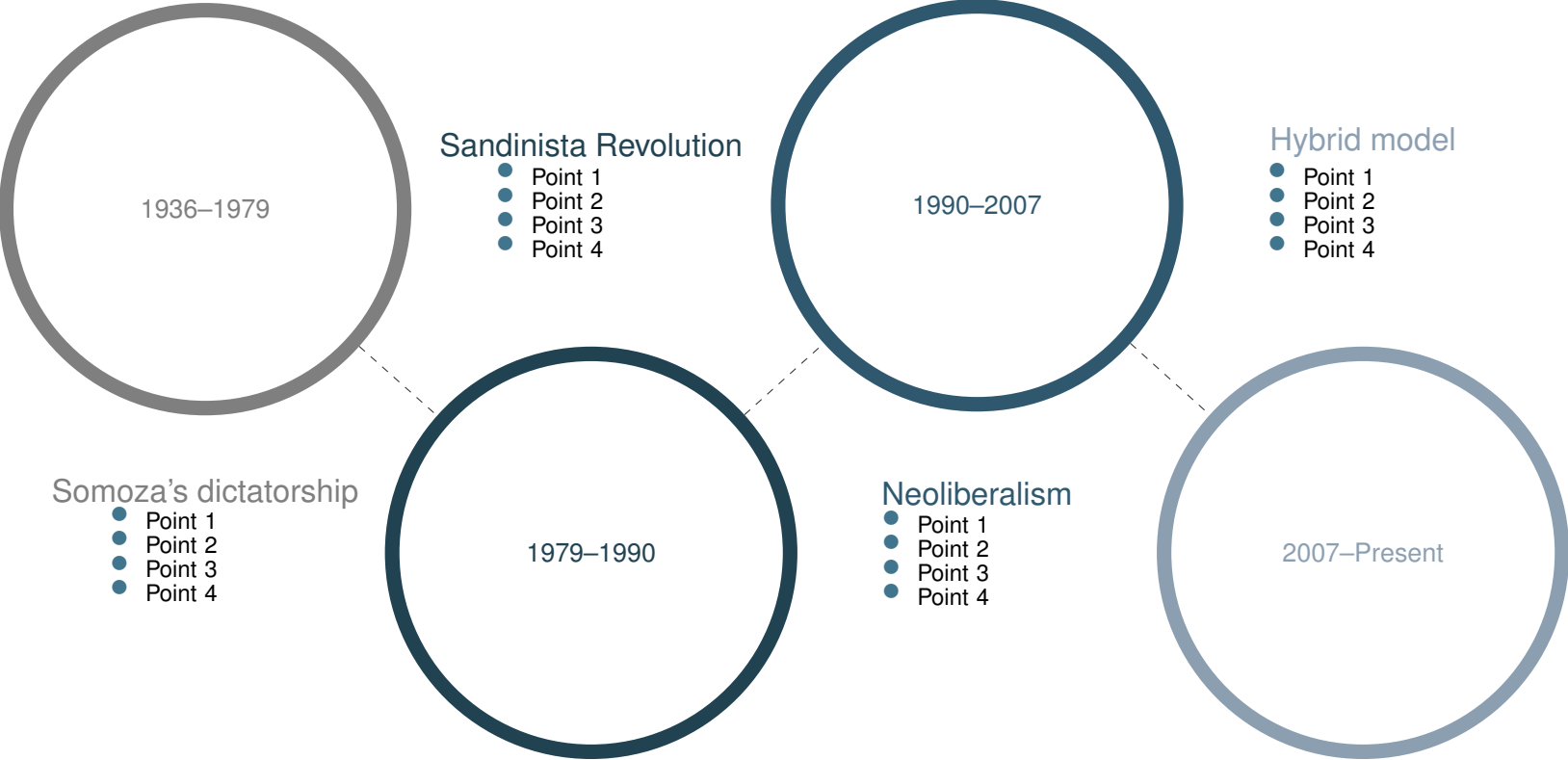
```
\imagecard{art/image-small-43}{6cm}{<text>}
```



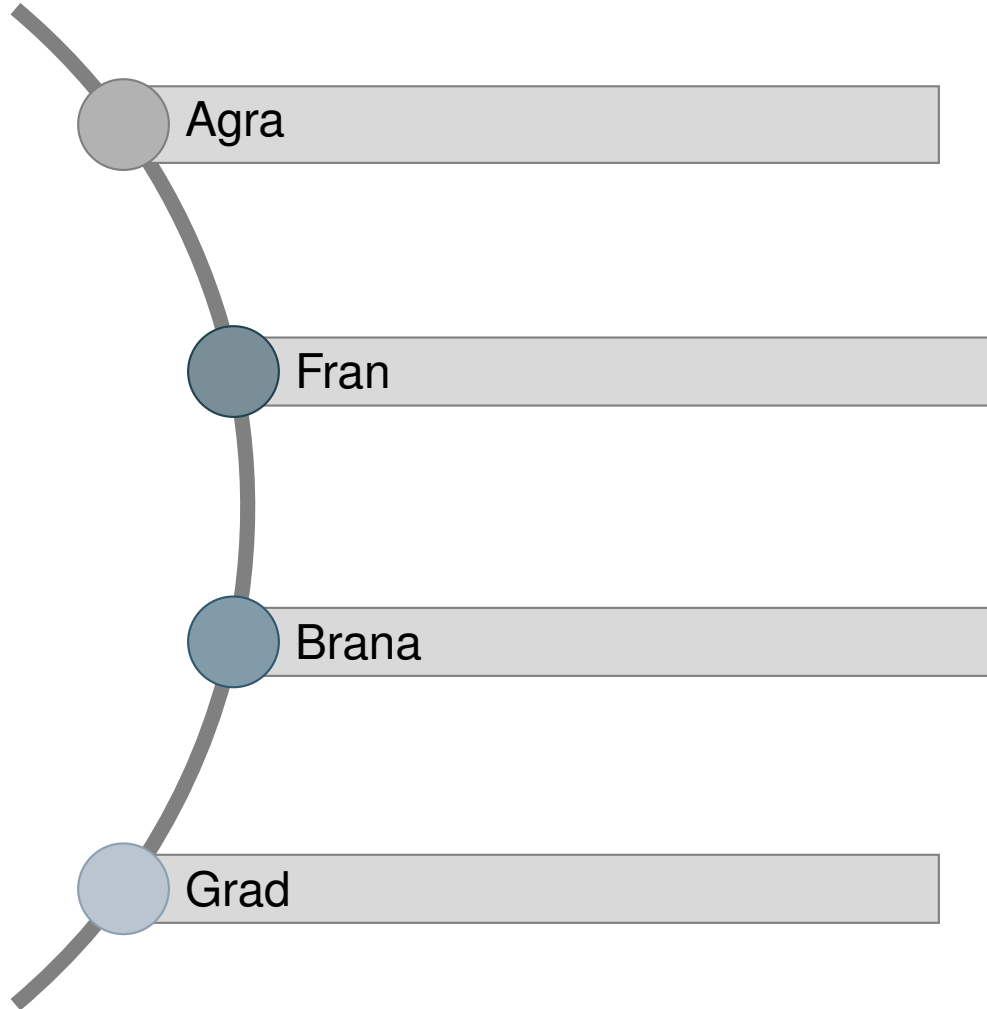

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Special Guests



Special Guest: Curved List



Special Guest: Formula Explanation

Rigid body dynamics

- Coriolis acceleration

$$\vec{a}_p = \vec{a}_o + \frac{b d^2}{dt^2} \vec{r} + \boxed{2\vec{\omega}_{ib} \times \frac{b d}{dt} \vec{r}} + \textcolor{red}{\vec{\alpha}_{ib} \times \vec{r}} + \textcolor{green}{\vec{\omega}_{ib} \times (\vec{\omega}_{ib} \times \vec{r})}$$

- Transversal acceleration
- Centripetal acceleration

Special Guest: Formula Explanation

Rigid body dynamics

- Coriolis acceleration

$$\vec{a}_p = \vec{a}_o + \frac{b d^2}{dt^2} \vec{r} + \boxed{2\vec{\omega}_{ib} \times \frac{b d}{dt} \vec{r}} + \boxed{\vec{\alpha}_{ib} \times \vec{r}} + \boxed{\vec{\omega}_{ib} \times (\vec{\omega}_{ib} \times \vec{r})}$$

- Transversal acceleration
- Centripetal acceleration

Special Guest: Formula Explanation

Rigid body dynamics

- Coriolis acceleration

$$\vec{a}_p = \vec{a}_o + \frac{b d^2}{dt^2} \vec{r} + \boxed{2\vec{\omega}_{ib} \times \frac{b d}{dt} \vec{r}} + \boxed{\vec{\alpha}_{ib} \times \vec{r}} + \boxed{\vec{\omega}_{ib} \times (\vec{\omega}_{ib} \times \vec{r})}$$

- Transversal acceleration
- Centripetal acceleration

References



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**Thank you
for your attention!**