# A quick guide to Presentation

## Reference files

- `02_presentation.text`
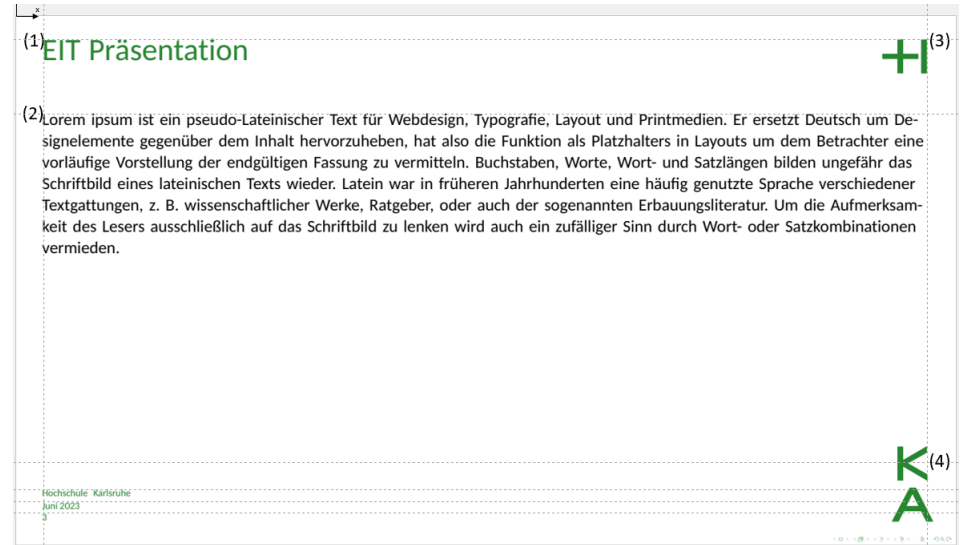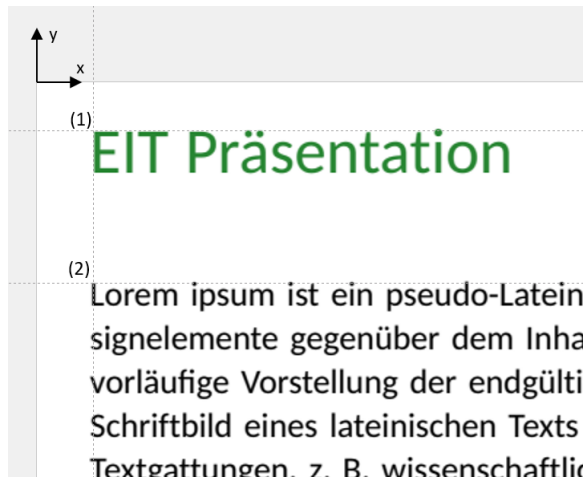- `structure_presentation.text`

## Presentation Layout Metrics

These parameters define the layout for the presentation.
For font size:

- `\covertextsize`
- `\titletextsize`
- `\contenttextsize`

For object placement, please refer the below list and the image:

- `\leftmarginpos`: X value from origin to left text margin $\{(0).x \rightarrow (1).x\}$
- `\topmargintitle`: Y value from origin to title text (negative value!) $\{(0).y \rightarrow (1).y\}$
- `\topmargincontent`: Y value from origin to content text (negative value!) $\{(0).y \rightarrow (1).y\}$
- `\maximumwidth`: Distance value from left margin to right margin $\{(3).x - (1).x\}$
- `\maximumheight`: Distance value from content top margin to bottom content margin $\{(4).y - (2).y\}$
- `\columnmaxwidth`: Maximum width of content to be split 50:50 (two column presentation).
- `\secondcolumnstart`: X value from the origin to second column. Please refer to the demo.





## Helper Functions

Positioning in beamer is done based on **tikz** library and some of **beamer** library. There are some helper functions created to quickly construct a simple presentation, including its argument descriptions.

- `\EITCoverVI{Covert Text}{Author Name}{Picture Path}`: Create Cover Slide.
- `\EITTableOfContent{Frame Title}{List Spacing}`: Create Table of Content slide. This slide's content is based on `\section{Section Name}` defined over the document.
- `\EITHeadlineFT{Frame Title}{Content}`: Create a normal frame. This slide's content is already positioned with margins defined in layout metrics.
- `\placetextbox{Horizontal Position}{Vertical Position}{Maximum Width}{Content}`: Override the margins to place the object in defined positions. The object anchor is placed at north-west (top-left) corner w.r.t the page origin.
- `\placepictureandtext{Horizontal Position}{Vertical Position}{Maximum Width}{Text Horizontal position}{Text Vertical Position}{Picture Content}{Text Content}`: Similar to `\placetextbox` but place picture and underlying text (Please refer to slide *EIT Präsentation mit schwebendem Bild und Text*). Should use with `\picdims` function for the image resize.
- `\picdims[width=\paperwidth]{Cropped Width}{Cropped Height}{Picture Path}`: Auto crop and trim the image w.r.t the center following the defined dimension. For the first optional argument, I have no idea. Just put it as shown.
- `MeasuredFigureLabel{Figure Name}`: Replacement of `\label` for figre because of internal bug.