Accessibility challenges
in LaTeX

Chris Rowley, Frank Mittelbach, Ross Moore

5:00 pm, Friday 20 July, 2018

The major intent of this session is to clarify and make a start on the following processes:

1. identification of the many distinct types of requirements imposed on the LaTeX platform by the rules for Accessible PDF;

2. for each of these types, analysis of the technical changes needed in the base LaTeX platform (the LaTeX kernel) to improve support for the automated production of Accessible PDF;

3. a similar analysis for LaTeX classes and packages.

Due partly to time constraints, priority will be given to the following areas of concern (both of which contain a host of detailed problems):

A: the requirements for the representation of natural language text;

B: the identification and implementation of the requirements for 'Tagged PDF' — although these are very similar to the requirements for the output of other tagged formats, they are far more complex due to the need to relate the logical tag hierarchy to that of the contents of the formatted pages.