The **outline** package

Simple Outline Package

Peter Halvorson*     Seth Flaxman†     Clea F. Rees

2002/08/23

This work may be distributed and/or modified under the conditions of the \LaTeX{} Project Public License, either version 1.3 of this license or (at your option) any later version. The latest version of this license is in [http://www.latex-project.org/lppl.txt](http://www.latex-project.org/lppl.txt) and version 1.3 or later is part of all distributions of \LaTeX{} version 2005/12/01 or later.

1 Summary

The package defines an **outline** environment, which provides facilities similar to \texttt{enumerate}, but up to 6 levels deep.

2 Description

Create six-level list environment \texttt{\{outline\}} for making outlines; mark each outline topic with \texttt{\item}. Use of label/ref sequences provided. A direct hack of the \texttt{enumerate} code from \texttt{latex.tex} (added more depth and outline style numbering). Use as you would use the \texttt{enumerate} environment.

3 History

January 10, 1991 – Copyright 1991 Peter Halvorson

August 23, 2002 – Updates for \LaTeX{}\texttt{2ε} copyright 2002 Seth Flaxman

October 6, 2008 – LPPL 1.3c or later by Clea F. Rees (for Seth Flaxman)

May 16, 2010 – \LaTeX{} version of documentation created by Philipp Stephani

*Georgia Institute of Technology, Nuclear Engineering, peter@fission.gatech.edu
†seth@abisoft.com
4 Example

\documentclass{report}
\usepackage{outline}

% [outline] includes new outline environment. I. A. 1. a. (1) (a)
% use \begin{outline} \item ... \end{outline}

\pagestyle{empty}

\begin{document}

\begin{outline}
  \item {\bf Introduction } \\
  \begin{outline}
    \item {\bf Applications } \\\n    Motivation for research and applications related to the subject.
    \item {\bf Organization } \\\n    Explain organization of the report, what is included, and what is not.
  \end{outline}

  \item {\bf Literature Survey } \\
  \begin{outline}
    \item {\bf Experimental Work } \\\n    Literature describing experiments with something in common with my experiment. My experiment is subdivided into section relating to each aspect of the whole.
    \begin{outline}
      \item {\bf Drop Delivery } \\\n      Literature relating to the production of droplets.
      \item {\bf Continuous } \\\n      Continuous drop production methods, i.e. jet methods.
      \item {\bf Drop on Demand } \\\n      Drop on demand methods, i.e. ink jet devices. Produce drops whenever needed, simplifies control of frequency.
      \item {\bf Flexibility } \\\n      Best methods in terms of flexible velocities, volumes, and frequencies.
      \item {\bf Control Circuitry } \\\n      Circuitry necessary to control the drops, may include
    \end{outline}
  \end{outline}

\end{outline}

\end{document}
control of generation, size, and frequency. Divertors and

drop chargers.
\item \textbf{Extensibility} \\
Methods extensible to 2D applications.
\item \textbf{Recirculation} \\
Recirculation techniques, pump, none, capillary.
\end{outline}
\item \textbf{Instrumentation} \\
Literature dealing with measurement of various parameters.
\begin{outline}
\item \textbf{Temperature} \\
\begin{outline}
\item \textbf{Heater Surface} \\th
\item \textbf{Fluid Temperature} \\th
\item \textbf{Heat Flux} \\th
\item \textbf{Heat Transfer Coefficient} \\th
\end{outline}
\item \textbf{Drop Characteristics} \\th
\begin{outline}
\item \textbf{Size} \\th
\item \textbf{Velocity} \\th
\item \textbf{Frequency} \\th
\end{outline}
\end{outline}
\item \textbf{Heating Element} \\
Literature dealing with the heating element. Material
properties, surface properties, heat sources.
\begin{outline}
\item \textbf{Material} \\th
\item \textbf{Heat Source} \\th
\end{outline}
\end{outline}
\item \textbf{Analytical Work} \\th
\begin{outline}
\item \textbf{Evaporation} \\th
\item \textbf{Boiling} \\th
\item \textbf{Leidenfrost Temperatures} \\th
\item \textbf{Heat Transfer} \\th
\item \textbf{Numerical Analysis} \\th
\begin{outline}
\item \textbf{Drop Characteristics} \\th
\item \textbf{Surface Wetting} \\th
\item \textbf{Transient Temperatures} \\th
\end{outline}
\end{outline}
\begin{outline}
\item \textbf{Proposed Research}
\begin{outline}
\item \textbf{Experimental Work}
\item \textbf{Analytical Work}
\end{outline}
\end{outline}
\end{document}