Drawing UML Class Diagram by using `pgf-umlcd`

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Abstract

`pgf-umlcd` is a LaTeX package for drawing UML Class Diagrams. As stated by its name, it is based on a very popular graphic package `PGF/TikZ`. This document presents the usage of `pgf-umlcd` and collects some UML class diagrams as examples. `pgf-umlcd` can be downloaded from http://code.google.com/p/pgf-umlcd/.

Contents

1 Basics

1.1 Class with attributes and operations

Note: If you don't want to show empty parts in the diagrams, please use `simplified` option, e.g. `\usepackage[simplified]{pgf-umlcd}`.

ClassName
name : attribute type name : attribute type = default value
name(parameter list) : type of value returned *name(parameters list) : type of value returned*

```
\begin{tikzpicture}
  \begin{class}[text width=8cm]{ClassName}{0,0}
    \attribute{name : attribute type}
    \attribute{name : attribute type = default value}

    \operation{name(parameter list) : type of value
        returned}
    % virtual operation
    \operation[0]{name(parameters list) : type of
        value returned}
  \end{class}
\end{tikzpicture}
```

2 Mon TEST

2.1 Le diagramme de classe

ClassName
Voiture : int : attribute type = default value
name(parameter list) : type of value returned *name(parameters list) : type of value returned*