The rorlink package

Florian Lukas ©ror
florian.lukas@dainst.de
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Repo: https://gitlab.com/lukeflo/rorlink-latex-package

1 Introduction

This package provides a simple command for creating a ROR (Research Organization Registry) symbol including a link to the given ROR-ID – very similar to the orcidlink package.

2 Usage

The package can be included in the preamble like any other package:

\usepackage{rorlink}

\rorlink{⟨ror-link⟩} Use the command to create a small ROR symbol which is linked to the given ROR-URL. For example, \rorlink{https://ror.org/00rcxh774} will create a linked symbol to the ID of the University of Cologne.

You can include it into the document title using it inside the \author{names} command, as I did for this documentation:

\author{Florian Lukas\,\orcidlink{0000-0002-7959-5494}\,\rorlink{https://ror.org/02rspp784}}

Furthermore, it can be included into larger macros; for instance, to create an author section with all necessary informations of the contributors:

3 Optional Arguments

There are two possibilities of using an optional argument blackwhite

\usepackage[blackwhite]rorlink
\rorlink[blackwhite]{⟨ror-link⟩}

The option blackwhite can be set globally in the preamble. Then every ROR link will appear in black and white only.

The option blackwhite can be set as argument if you use the \rorlink macro inline. Then only the current symbol will appear in black and white.

*The code is mainly derived from the orcidlink package maintained by Leo Stein. The code of the orcidlink package itself rests mainly on the tex.SE answer by user Milo
4 Required Packages

**hyperref** Needed to use the symbol as a link to the particular ROR webpage.

**tikz** Is used to draw the ROR symbol using the svg-path method and process the image, when the \rorlink command is called.

**etoolbox** For the conditioning of the optional argument uses in inline commands.

5 Implementation

Required packages
1 \RequirePackage{hyperref}
2 \RequirePackage{tikz}
3 \RequirePackage{xparse}
4 \RequirePackage{etoolbox}

Set standard color of the ROR institution
5 \definecolor{rorlogocol}{HTML}{53BAA1}

%% Set global option blackwhite for depicting the logo only in black and white.
8 \begin{macrocode}
9 \Decla**
10 \PackageWarning{rorlink}{Unknown option -- \CurrentOption --})
11 \ProcessOptions\relax
12 \usetikzlibrary{svg.path}

Load tikz library for processing svg-paths.
12 \usetikzlibrary{svg.path}

The original svg-path received from the file https://raw.githubusercontent.com/ror-community/ror-logos/main/ror-icon-rgb.svg
13 \tikzset{
14 rorlogo/.pic={
15 \fill[rorlogocol] svg{M68.65,4.16L56.52,22.74L44.38,4.16L68.65,4.16Z}
16 svg{M119.41,4.16L107.28,22.74L95.14,4.16L119.41,4.16Z}
17 svg{M44.38,115.47L56.52,96.88L68.65,115.47L44.38,115.47Z}
18 svg{M95.14,115.47L107.28,96.88L119.41,115.47L95.14,115.47Z};
19 \fill[black] svg{M145.53,63.71C149.83,62.91 153.1,61 155.33,57.99C157.57,54.98 158.68,51.32 158.68,47.03C158.68,43.47 ... 143.18,42.33 143.81,43.25C144.44,44.17 144.76,45.4 144.76,46.95C144.76,48.6 144.4,49.89 143.68,50.81Z};
20 }
21 }

The original height of the svg file is 119.27pt. The macro here uses $1/119.27$ as unit.
22 \newcommand{\@OrigHeightRecipROR}{0.008384338}

The logo is adjusted to the used font size and an optional option blackwhite for depicting the logo in only black and white colors is set.
23 \newlength{\curXheightROR}
24 \DeclareDocumentCommand\rorlink{om}{%}
25 \IfNoValueTF{#1}{%}
26 \texordfsrt{\@OrigHeightRecipROR}{\@curXheightROR}\%}
27 \setlength{\@curXheightROR}{\fontcharht\font'X}\%}
28 \href{#2}{\XeTeXLinkBox{\mbox{\%}
29 \begin{tikzpicture}{yscale=-\@OrigHeightRecipROR*\@curXheightROR}\%
30 xscale=\@OrigHeightRecipROR*\@curXheightROR,transform shape}\%
31 \end{tikzpicture}\%
32 }\%}

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Change History

1.0.0
General: Build documentation and syntax and implementation of optional arguments for a black and white logo

1.1.0
General: Updated command

Index
Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols
\@OrigHeightRecipROR   \DeclareDocumentCommand
                      \@curXheightROR   \DeclareOption
                      \begin             \definecolor
                      \begingroup
                      \if\CurrentOption
                                          \fill
                                          \font
                                          \currentoption
                      \endinput
                      .................. 22, 29, 30, 41, 42
                      .................. 9, 10
                      .................. 5, 9, 37
                      .................. 24
                      .................. 6, 32, 44
                      .................. 8, 29, 41
                      .................. 36
                      .................. 10
                      ................. 

D
\href
\begin
\endgroup
\endinput
\fill
\font
\currentoption

H
\href
\begin
\endgroup
\endinput
\fill
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\currentoption

I
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M
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N
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\endgroup
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\font
\currentoption

P
\href
\begin
\endgroup
\endinput
\fill
\font
\currentoption

\PackageWarning