The orcidlink package

Leo C. Stein ©
leo.stein@gmail.com

v1.0.4 from 2021/06/11

Source repo: https://github.com/duetosymmetry/orcidlink-LaTeX-command.

1 Introduction

This is a LaTeX style file to add a macro for inserting a linked ORCiD logo. The package provides exactly one command, \orcidlink.

2 Usage

To use this package, in the preamble include

\usepackage{orcidlink}

\orcidlink\{⟨orcid⟩\} Insert the ORCiD logo (©), which is hyperlinked to the URL of the researcher whose iD was specified. Replace the mandatory argument ⟨orcid⟩ with your ORCiD — just the digits, not your whole URL. For example, the command \orcidlink\{0000-0001-7559-9597\} will hyperlink to the URL https://orcid.org/0000-0001-7559-9597. This is most common in the author list. For example, in the preamble of a RevTeX article, if you write

\author{Emmy Noether,\,\orcidlink\{0000-0000-0000-0000\}}

then the article byline will look something like this:

Emmy Noether\textsuperscript{iD1}, *

\textit{Annals of Mathematics} The I.

The macro is used in the author line of this documentation as well.
3 Implementation

\NeedsTeXFormat{LaTeX2e}[1994/06/01]
\ProvidesPackage{orcidlink} [2021/06/11 v1.0.4 Linked ORCiD logo macro package]

%%% All I did was package up Milo's code on TeX.SE,
%%% see https://tex.stackexchange.com/a/445583/34063
\RequirePackage{hyperref}
\RequirePackage{tikz}
\ProcessOptions\relax
\usetikzlibrary{svg.path}
\definecolor{orcidlogocol}{HTML}{A6CE39}
tikzset{
  orcidlogo/.pic={
    \fill[orcidlogocol] svg{M256,128c0,70.7-57.3,128-128,128C57.3,256,0,198.7,0,128C0,57.3,57.3,0,128,0C198.7,0,256,57.3,256,128z};
    \fill[white] svg{M86.3,186.2H70.9V79.1h15.4v48.4V186.2z}
    svg{M108.9,79.1h41.6c39.6,0,57,28.3,57,53.6c0,27.5-21.5,53.6-56.8,53.6h-41.8V79.1}
    svg{M88.7,56.8c0,5.5-4.5,10.1-10.1,10.1c-5.6,0-10.1-4.6-10.1-10.1c0-5.6,4.5-10.1,10.1-10.1z};
  }
}

%% Reciprocal of the height of the svg whose source is above. The
%% original generates a 256pt high graphic; this macro holds 1/256.
\newcommand{\@OrigHeightRecip}{0.00390625}

%% We will compute the current X height to make the logo the right height
\newlength{\@curXheight}
\orcidlink

\DeclareRobustCommand\orcidlink[1]{\%
  \texorpdfstring{\setlength{\@curXheight}{\fontcharht\font'}X\%
    \href{https://orcid.org/#1}{\XeTeXLinkBox{\mbox{\%
      \begin{tikzpicture}[yscale=-\@OrigHeightRecip*\@curXheight, xscale=\@OrigHeightRecip*\@curXheight,transform shape]
        \pic{orcidlogo};
      \end{tikzpicture}}\%
    }}}{}\%
  }}
\endinput
Change History

v1.0.0
General: Converted to DTX file

v1.0.1
General: Bugfix due to misunderstanding of docstrip

v1.0.2
General: Fix fragility of command when inside of author, and combined with hyperref’s option pdfusetitle

v1.0.3
General: Improve fragility by calculating scaling ourselves, and using DeclareRobustCommand

v1.0.4
General: Use XeTeXLinkBox to get hyperlink working correctly with XeTeX. Thanks to Tim Henke for the bug report.