

The Name of the Title is Hope

BEN TROVATO* and G.K.M. TOBIN*, Institute for Clarity in Documentation

LARS THØRVÄLD, The Thørväld Group, Iceland

VALERIE BÉRANGER, Inria Paris-Rocquencourt, France

APARNA PATEL, Rajiv Gandhi University, India

HUIFEN CHAN, Tsinghua University, China

CHARLES PALMER, Palmer Research Laboratories

JOHN SMITH, The Thørväld Group

JULIUS P. KUMQUAT, The Kumquat Consortium

A clear and well-documented \LaTeX document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the “acmart” document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS Concepts: • **Computer systems organization** → **Embedded systems**; *Redundancy*; Robotics; • **Networks** → Network reliability.

Additional Key Words and Phrases: datasets, neural networks, gaze detection, text tagging

ACM Reference Format:

Ben Trovato, G.K.M. Tobin, Lars Thørväld, Valerie Béranger, Aparna Patel, Huifen Chan, Charles Palmer, John Smith, and Julius P. Kumquat. 2018. The Name of the Title is Hope. In *Woodstock '18: ACM Symposium on Neural Gaze Detection, June 03–05, 2018, Woodstock, NY*. ACM, New York, NY, USA, 17 pages. <https://doi.org/10.1145/1122445.1122456>

1 INTRODUCTION

ACM’s consolidated article template, introduced in 2017, provides a consistent \LaTeX style for use across ACM publications, and incorporates accessibility and metadata-extraction functionality necessary for future Digital Library endeavors. Numerous ACM and SIG-specific \LaTeX templates have been examined, and their unique features incorporated into this single new template.

If you are new to publishing with ACM, this document is a valuable guide to the process of preparing your work for publication. If you have published with ACM before, this document provides insight and instruction into more recent changes to the article template.

*Both authors contributed equally to this research.

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from permissions@acm.org.

© 2018 Association for Computing Machinery.
Manuscript submitted to ACM

The “acmart” document class can be used to prepare articles for any ACM publication – conference or journal, and for any stage of publication, from review to final “camera-ready” copy, to the author’s own version, with *very few* changes to the source.

2 TEMPLATE OVERVIEW

As noted in the introduction, the “acmart” document class can be used to prepare many different kinds of documentation – a double-blind initial submission of a full-length technical paper, a two-page SIGGRAPH Emerging Technologies abstract, a “camera-ready” journal article, a SIGCHI Extended Abstract, and more – all by selecting the appropriate *template style* and *template parameters*.

This document will explain the major features of the document class. For further information, the *L^AT_EX User’s Guide* is available from <https://www.acm.org/publications/proceedings-template>.

2.1 Template Styles

The primary parameter given to the “acmart” document class is the *template style* which corresponds to the kind of publication or SIG publishing the work. This parameter is enclosed in square brackets and is a part of the `documentclass` command:

```
\documentclass[STYLE]{acmart}
```

Journals use one of three template styles. All but three ACM journals use the `acmsmall` template style:

- `acmsmall`: The default journal template style.
- `acmlarge`: Used by JOCCH and TAP.
- `acmtog`: Used by TOG.

The majority of conference proceedings documentation will use the `acmconf` template style.

- `acmconf`: The default proceedings template style.
- `sigchi`: Used for SIGCHI conference articles.
- `sigchi-a`: Used for SIGCHI “Extended Abstract” articles.
- `sigplan`: Used for SIGPLAN conference articles.

2.2 Template Parameters

In addition to specifying the *template style* to be used in formatting your work, there are a number of *template parameters* which modify some part of the applied template style. A complete list of these parameters can be found in the *L^AT_EX User’s Guide*.

Frequently-used parameters, or combinations of parameters, include:

- `anonymous, review`: Suitable for a “double-blind” conference submission. Anonymizes the work and includes line numbers. Use with the `\acmSubmissionID` command to print the submission’s unique ID on each page of the work.
- `authorversion`: Produces a version of the work suitable for posting by the author.
- `screen`: Produces colored hyperlinks.

This document uses the following string as the first command in the source file:

```
\documentclass[sigconf]{acmart}
```

3 MODIFICATIONS

Modifying the template — including but not limited to: adjusting margins, typeface sizes, line spacing, paragraph and list definitions, and the use of the `\vspace` command to manually adjust the vertical spacing between elements of your work — is not allowed.

Your document will be returned to you for revision if modifications are discovered.

4 TYPEFACES

The “acmart” document class requires the use of the “Libertine” typeface family. Your T_EX installation should include this set of packages. Please do not substitute other typefaces. The “lmodern” and “l`times`” packages should not be used, as they will override the built-in typeface families.

5 TITLE INFORMATION

The title of your work should use capital letters appropriately - <https://capitalizemytitle.com/> has useful rules for capitalization. Use the `title` command to define the title of your work. If your work has a subtitle, define it with the `subtitle` command. Do not insert line breaks in your title.

If your title is lengthy, you must define a short version to be used in the page headers, to prevent overlapping text. The `title` command has a “short title” parameter:

```
\title[short title]{full title}
```

6 AUTHORS AND AFFILIATIONS

Each author must be defined separately for accurate metadata identification. Multiple authors may share one affiliation. Authors’ names should not be abbreviated; use full first names wherever possible. Include authors’ e-mail addresses whenever possible.

Grouping authors’ names or e-mail addresses, or providing an “e-mail alias,” as shown below, is not acceptable:

```
\author{Brooke Aster, David Mehldau}
\email{dave,judy,steve@university.edu}
\email{firstname.lastname@phillips.org}
```

The `authornote` and `authornotemark` commands allow a note to apply to multiple authors — for example, if the first two authors of an article contributed equally to the work.

If your author list is lengthy, you must define a shortened version of the list of authors to be used in the page headers, to prevent overlapping text. The following command should be placed just after the last `\author{}` definition:

```
\renewcommand{\shortauthors}{McCartney, et al.}
```

Omitting this command will force the use of a concatenated list of all of the authors’ names, which may result in overlapping text in the page headers.

The article template’s documentation, available at <https://www.acm.org/publications/proceedings-template>, has a complete explanation of these commands and tips for their effective use.

7 RIGHTS INFORMATION

Authors of any work published by ACM will need to complete a rights form. Depending on the kind of work, and the rights management choice made by the author, this may be copyright transfer, permission, license, or an OA (open access) agreement.

Regardless of the rights management choice, the author will receive a copy of the completed rights form once it has been submitted. This form contains \LaTeX commands that must be copied into the source document. When the document source is compiled, these commands and their parameters add formatted text to several areas of the final document:

- the “ACM Reference Format” text on the first page.
- the “rights management” text on the first page.
- the conference information in the page header(s).

Rights information is unique to the work; if you are preparing several works for an event, make sure to use the correct set of commands with each of the works.

8 CCS CONCEPTS AND USER-DEFINED KEYWORDS

Two elements of the “acmart” document class provide powerful taxonomic tools for you to help readers find your work in an online search.

The ACM Computing Classification System — <https://www.acm.org/publications/class-2012> — is a set of classifiers and concepts that describe the computing discipline. Authors can select entries from this classification system, via <https://dl.acm.org/ccs/ccs.cfm>, and generate the commands to be included in the \LaTeX source.

User-defined keywords are a comma-separated list of words and phrases of the authors’ choosing, providing a more flexible way of describing the research being presented.

CCS concepts and user-defined keywords are required for all short- and full-length articles, and optional for two-page abstracts.

9 SECTIONING COMMANDS

Your work should use standard \LaTeX sectioning commands: `section`, `subsection`, `subsubsection`, and `paragraph`. They should be numbered; do not remove the numbering from the commands.

Simulating a sectioning command by setting the first word or words of a paragraph in boldface or italicized text is **not allowed**.

10 TABLES

The “acmart” document class includes the “booktabs” package — <https://ctan.org/pkg/booktabs> — for preparing high-quality tables.

Table captions are placed *above* the table.

Because tables cannot be split across pages, the best placement for them is typically the top of the page nearest their initial cite. To ensure this proper “floating” placement of tables, use the environment `table` to enclose the table’s contents and the table caption. The contents of the table itself must go in the `tabular` environment, to be aligned properly in rows and columns, with the desired horizontal and vertical rules. Again, detailed instructions on `tabular` material are found in the *\LaTeX User’s Guide*.

Table 1. Frequency of Special Characters

Non-English or Math	Frequency	Comments
\emptyset	1 in 1,000	For Swedish names
π	1 in 5	Common in math
$\$$	4 in 5	Used in business
Ψ_1^2	1 in 40,000	Unexplained usage

Table 2. Some Typical Commands

Command	A Number	Comments
<code>\author</code>	100	Author
<code>\table</code>	300	For tables
<code>\table*</code>	400	For wider tables

Immediately following this sentence is the point at which Table 1 is included in the input file; compare the placement of the table here with the table in the printed output of this document.

To set a wider table, which takes up the whole width of the page’s live area, use the environment `table*` to enclose the table’s contents and the table caption. As with a single-column table, this wide table will “float” to a location deemed more desirable. Immediately following this sentence is the point at which Table 2 is included in the input file; again, it is instructive to compare the placement of the table here with the table in the printed output of this document.

11 MATH EQUATIONS

You may want to display math equations in three distinct styles: inline, numbered or non-numbered display. Each of the three are discussed in the next sections.

11.1 Inline (In-text) Equations

A formula that appears in the running text is called an inline or in-text formula. It is produced by the `math` environment, which can be invoked with the usual `\begin . . . \end` construction or with the short form `$. . . $`. You can use any of the symbols and structures, from α to ω , available in \LaTeX [21]; this section will simply show a few examples of in-text equations in context. Notice how this equation: $\lim_{n \rightarrow \infty} x = 0$, set here in in-line math style, looks slightly different when set in display style. (See next section).

11.2 Display Equations

A numbered display equation—one set off by vertical space from the text and centered horizontally—is produced by the `equation` environment. An unnumbered display equation is produced by the `displaymath` environment.

Again, in either environment, you can use any of the symbols and structures available in \LaTeX ; this section will just give a couple of examples of display equations in context. First, consider the equation, shown as an inline equation above:

$$\lim_{n \rightarrow \infty} x = 0 \tag{1}$$

Notice how it is formatted somewhat differently in the **displaymath** environment. Now, we'll enter an unnumbered equation:

$$\sum_{i=0}^{\infty} x + 1$$

and follow it with another numbered equation:

$$\sum_{i=0}^{\infty} x_i = \int_0^{\pi+2} f \tag{2}$$

just to demonstrate \LaTeX 's able handling of numbering.

12 FIGURES

The “figure” environment should be used for figures. One or more images can be placed within a figure. If your figure contains third-party material, you must clearly identify it as such, as shown in the example below.



Fig. 1. 1907 Franklin Model D roadster. Photograph by Harris & Ewing, Inc. [Public domain], via Wikimedia Commons. (<https://goo.gl/VLCRBB>).

Your figures should contain a caption which describes the figure to the reader. Figure captions go below the figure. Your figures should **also** include a description suitable for screen readers, to assist the visually-challenged to better understand your work.

Figure captions are placed *below* the figure.

12.1 The “Teaser Figure”

A “teaser figure” is an image, or set of images in one figure, that are placed after all author and affiliation information, and before the body of the article, spanning the page. If you wish to have such a figure in your article, place the command immediately before the `\maketitle` command:

```
\begin{teaserfigure}
  \includegraphics[width=\textwidth]{sampleteaser}
  \caption{figure caption}
  \Description{figure description}
\end{teaserfigure}
```

13 CITATIONS AND BIBLIOGRAPHIES

The use of \TeX for the preparation and formatting of one’s references is strongly recommended. Authors’ names should be complete – use full first names (“Donald E. Knuth”) not initials (“D. E. Knuth”) – and the salient identifying features of a reference should be included: title, year, volume, number, pages, article DOI, etc.

The bibliography is included in your source document with these two commands, placed just before the `\end{document}` command:

```
\bibliographystyle{ACM-Reference-Format}
\bibliography{bibfile}
```

where “bibfile” is the name, without the “.bib” suffix, of the \TeX file.

Citations and references are numbered by default. A small number of ACM publications have citations and references formatted in the “author year” style; for these exceptions, please include this command in the **preamble** (before “`\begin{document}`”) of your \LaTeX source:

```
\citestyle{acmauthoryear}
```

Some examples. A paginated journal article [2], an enumerated journal article [8], a reference to an entire issue [7], a monograph (whole book) [20], a monograph/whole book in a series (see 2a in spec. document) [14], a divisible-book such as an anthology or compilation [10] followed by the same example, however we only output the series if the volume number is given [11] (so Editor00a’s series should NOT be present since it has no vol. no.), a chapter in a divisible book [32], a chapter in a divisible book in a series [9], a multi-volume work as book [19], an article in a proceedings (of a conference, symposium, workshop for example) (paginated proceedings article) [3], a proceedings article with all possible elements [31], an example of an enumerated proceedings article [12], an informally published work [13], a doctoral dissertation [6], a master’s thesis: [4], an online document / world wide web resource [1, 25, 33], a video game (Case 1) [24] and (Case 2) [23] and [22] and (Case 3) a patent [30], work accepted for publication [27], ‘YYYYb’-test for prolific author [28] and [29]. Other cites might contain ‘duplicate’ DOI and URLs (some SIAM articles) [18]. Boris / Barbara Beeton: multi-volume works as books [16] and [15]. A couple of citations with DOIs: [17, 18]. Online citations: [33–35]. Artifacts: [26] and [5].

14 LOREM IPSUM

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Iaculis nunc sed augue lacus viverra vitae congue. Morbi leo urna molestie at. Mauris pellentesque pulvinar pellentesque habitant morbi tristique senectus et netus. Sed id semper risus in hendrerit. Mauris cursus mattis molestie a iaculis at erat pellentesque. Lacus vestibulum sed arcu non. Convallis aenean et tortor at risus viverra adipiscing. Nulla aliquet porttitor lacus luctus accumsan. Purus non enim praesent elementum facilisis leo vel. Ac tincidunt vitae semper quis lectus nulla at volutpat diam. Enim diam vulputate ut pharetra sit amet aliquam. Libero enim sed faucibus turpis in. Ante in nibh mauris cursus mattis. Id semper risus in hendrerit gravida. Ac tortor vitae purus faucibus ornare suspendisse sed nisi lacus. Eget dolor morbi non arcu risus. Bibendum est ultricies integer quis auctor.

Pellentesque habitant morbi tristique senectus. Metus dictum at tempor commodo ullamcorper. Ut venenatis tellus in metus vulputate eu. Morbi tristique senectus et netus et malesuada fames ac. Adipiscing elit duis tristique sollicitudin nibh sit amet commodo. Fames ac turpis egestas sed tempus urna. Et magnis dis parturient montes nascetur ridiculus mus. Pellentesque diam volutpat commodo sed egestas egestas fringilla. Elementum integer enim neque volutpat ac tincidunt vitae semper. Viverra adipiscing at in tellus integer feugiat scelerisque varius. Nibh venenatis cras sed felis eget. Ullamcorper dignissim cras tincidunt lobortis feugiat. Dui sapien eget mi proin sed libero enim sed faucibus. Sapien eget mi proin sed libero enim sed faucibus. Interdum consectetur libero id faucibus. Habitant morbi tristique senectus et netus et malesuada fames. Sit amet aliquam id diam maecenas. Euismod in pellentesque massa placerat duis ultricies lacus.

Vel quam elementum pulvinar etiam non quam lacus. Sed pulvinar proin gravida hendrerit. Dolor morbi non arcu risus quis varius quam quisque id. Vitae proin sagittis nisl rhoncus mattis rhoncus urna. Porta nibh venenatis cras sed felis. Massa placerat duis ultricies lacus sed turpis tincidunt id aliquet. Tortor aliquam nulla facilisi cras fermentum odio eu. Amet luctus venenatis lectus magna. Fermentum leo vel orci porta non pulvinar. Risus ultricies tristique nulla aliquet enim tortor. Quam lacus suspendisse faucibus interdum. Donec adipiscing tristique risus nec feugiat in. Ornare suspendisse sed nisi lacus sed viverra tellus in. Eget aliquet nibh praesent tristique magna sit amet purus. Bibendum at varius vel pharetra vel. Elementum nisi quis eleifend quam adipiscing. Orci nulla pellentesque dignissim enim sit amet venenatis. Nam at lectus urna duis convallis convallis tellus id interdum.

Enim nulla aliquet porttitor lacus luctus. Orci ac auctor augue mauris augue neque gravida in. Dictum non consectetur a erat nam at lectus urna. Duis ut diam quam nulla porttitor massa id. Velit ut tortor pretium viverra suspendisse potenti nullam ac tortor. Nam aliquam sem et tortor consequat. Pharetra diam sit amet nisl suscipit adipiscing. Dictum sit amet justo donec enim diam vulputate ut. Odio tempor orci dapibus ultrices in iaculis nunc sed. Molestie at elementum eu facilisis sed.

At in tellus integer feugiat. Tristique senectus et netus et malesuada. Vulputate eu scelerisque felis imperdiet proin fermentum leo vel orci. Bibendum neque egestas congue quisque egestas diam in arcu. Purus viverra accumsan in nisl nisi scelerisque. Orci ac auctor augue mauris augue neque. Velit sed ullamcorper morbi tincidunt. Quis lectus nulla at volutpat diam. Neque convallis a cras semper auctor neque vitae. Sed viverra ipsum nunc aliquet bibendum enim facilisis gravida. Ut ornare lectus sit amet est placerat in egestas erat. Blandit aliquam etiam erat velit scelerisque in dictum non. Sed egestas egestas fringilla phasellus. Varius morbi enim nunc faucibus a pellentesque sit amet. Quis varius quam quisque id. Quis hendrerit dolor magna eget est lorem.

Est sit amet facilisis magna etiam tempor orci eu lobortis. In ante metus dictum at. Rutrum quisque non tellus orci. Dui ut ornare lectus sit amet. At augue eget arcu dictum varius duis at consectetur lorem. In eu mi bibendum neque

egestas congue quisque egestas. Sit amet mauris commodo quis. Non consectetur a erat nam at lectus urna. Id velit ut tortor pretium viverra suspendisse potenti. Sit amet nisl suscipit adipiscing. Mattis nunc sed blandit libero. Vitae aliquet nec ullamcorper sit amet risus nullam eget. Faucibus ornare suspendisse sed nisi. Donec ac odio tempor orci dapibus ultrices.

Consequat ac felis donec et odio. A arcu cursus vitae congue mauris rhoncus aenean. Eu consequat ac felis donec et odio pellentesque diam. Consequat nisl vel pretium lectus quam id leo in. Est sit amet facilisis magna etiam tempor orci eu lobortis. Enim eu turpis egestas pretium aenean pharetra magna. Hendrerit gravida rutrum quisque non. Id porta nibh venenatis cras. Velit egestas dui id ornare. Velit aliquet sagittis id consectetur purus ut faucibus. Nulla posuere sollicitudin aliquam ultrices sagittis. Risus ultricies tristique nulla aliquet enim. Quam elementum pulvinar etiam non quam. Aliquam ut porttitor leo a diam sollicitudin tempor. Nullam vehicula ipsum a arcu cursus. Fames ac turpis egestas maecenas pharetra convallis posuere morbi.

Ut faucibus pulvinar elementum integer enim neque volutpat. Purus in massa tempor nec. Amet purus gravida quis blandit turpis cursus. Sapien et ligula ullamcorper malesuada proin libero nunc consequat interdum. Tempor nec feugiat nisl pretium fusce id. Mauris vitae ultricies leo integer malesuada nunc vel risus. Porttitor rhoncus dolor purus non enim praesent elementum. Arcu dictum varius dui at consectetur lorem donec massa. Eu sem integer vitae justo eget magna. Elementum eu facilisis sed odio morbi quis commodo odio. Justo laoreet sit amet cursus sit amet dictum. Porta non pulvinar neque laoreet. Sed velit dignissim sodales ut eu sem integer. Habitant morbi tristique senectus et netus et malesuada.

Vulputate odio ut enim blandit volutpat maecenas volutpat. Congue eu consequat ac felis donec et odio. Blandit libero volutpat sed cras. Neque convallis a cras semper auctor. Sed tempus urna et pharetra. Lobortis elementum nibh tellus molestie nunc. Lorem sed risus ultricies tristique nulla. Volutpat ac tincidunt vitae semper quis lectus nulla at volutpat. Congue quisque egestas diam in arcu cursus euismod. Pharetra et ultrices neque ornare aenean euismod. In metus vulputate eu scelerisque felis imperdiet. Hendrerit gravida rutrum quisque non. Faucibus ornare suspendisse sed nisi lacus sed viverra tellus.

Felis donec et odio pellentesque diam volutpat commodo. Adipiscing at in tellus integer. Mi bibendum neque egestas congue quisque. Sociis natoque penatibus et magnis dis parturient montes nascetur ridiculus. Auctor urna nunc id cursus. Augue neque gravida in fermentum. Nisl suscipit adipiscing bibendum est ultricies integer. Hac habitasse platea dictumst quisque sagittis purus sit. Commodo elit at imperdiet dui accumsan. Elit sed vulputate mi sit amet mauris. Aliquam malesuada bibendum arcu vitae elementum curabitur vitae. Tristique et egestas quis ipsum suspendisse ultrices gravida dictum. Enim nulla aliquet porttitor lacus.

Felis eget velit aliquet sagittis id consectetur. Quisque id diam vel quam elementum pulvinar etiam non. Mauris a diam maecenas sed enim ut. Etiam tempor orci eu lobortis elementum nibh tellus. Mattis nunc sed blandit libero volutpat. Et malesuada fames ac turpis egestas. Ante metus dictum at tempor commodo ullamcorper. Nec sagittis aliquam malesuada bibendum. Ut enim blandit volutpat maecenas. Consequat ac felis donec et odio pellentesque diam volutpat commodo. Sit amet mattis vulputate enim. Mattis enim ut tellus elementum sagittis vitae.

Ac auctor augue mauris augue neque gravida. Sed risus ultricies tristique nulla. Curabitur vitae nunc sed velit dignissim sodales ut. Sem fringilla ut morbi tincidunt. Dictum at tempor commodo ullamcorper. Ultrices neque ornare aenean euismod. Magna eget est lorem ipsum dolor sit amet consectetur. Dictum fusce ut placerat orci nulla pellentesque dignissim enim. Nunc id cursus metus aliquam. Consequat mauris nunc congue nisi vitae suscipit. Aenean sed adipiscing diam donec adipiscing tristique risus nec. Mauris pellentesque pulvinar pellentesque habitant morbi tristique senectus

et. Vulputate odio ut enim blandit. Id velit ut tortor pretium viverra suspendisse. Tincidunt id aliquet risus feugiat. Rhoncus aenean vel elit scelerisque mauris pellentesque pulvinar.

Est ullamcorper eget nulla facilisi etiam dignissim diam quis enim. Duis ut diam quam nulla porttitor massa id. Vel facilisis volutpat est velit egestas dui id ornare. Sit amet dictum sit amet justo donec enim diam vulputate. Cursus vitae congue mauris rhoncus aenean vel elit scelerisque. Cursus risus at ultrices mi. Non enim praesent elementum facilisis leo vel fringilla. Ullamcorper a lacus vestibulum sed arcu non. Tempor orci eu lobortis elementum nibh tellus molestie nunc. Turpis egestas pretium aenean pharetra magna ac placerat. Nullam eget felis eget nunc lobortis mattis aliquam faucibus purus. Tellus orci ac auctor augue mauris. Pharetra et ultrices neque ornare aenean euismod elementum nisi quis. Nisi porta lorem mollis aliquam ut porttitor leo a diam.

Convallis a cras semper auctor. Consequat interdum varius sit amet mattis vulputate. Duis at tellus at urna condimentum mattis pellentesque id. Diam quam nulla porttitor massa id neque aliquam. Vestibulum lorem sed risus ultricies tristique nulla aliquet enim. Arcu non odio euismod lacinia at. Elit at imperdiet dui accumsan sit. Amet facilisis magna etiam tempor. Nunc lobortis mattis aliquam faucibus purus in. Sed adipiscing diam donec adipiscing tristique. Pharetra et ultrices neque ornare aenean. Faucibus interdum posuere lorem ipsum dolor sit. Mauris cursus mattis molestie a iaculis. Pellentesque id nibh tortor id aliquet. Odio facilisis mauris sit amet massa vitae tortor. Massa sed elementum tempus egestas sed. Sagittis nisl rhoncus mattis rhoncus urna. Tellus molestie nunc non blandit.

Sed vulputate mi sit amet mauris commodo quis imperdiet massa. Donec et odio pellentesque diam volutpat commodo sed egestas. Ornare arcu dui vivamus arcu felis bibendum. Ultricies integer quis auctor elit sed. Mauris cursus mattis molestie a iaculis at erat pellentesque. Dictum fusce ut placerat orci nulla pellentesque. Mattis nunc sed blandit libero volutpat sed. Phasellus egestas tellus rutrum tellus pellentesque eu tincidunt. Volutpat consequat mauris nunc congue nisi vitae. Sapien et ligula ullamcorper malesuada proin libero nunc. Pretium lectus quam id leo in. Nunc sed id semper risus in. Id cursus metus aliquam eleifend mi. Eu nisl nunc mi ipsum. Facilisi nullam vehicula ipsum a arcu cursus. Non arcu risus quis varius. Egestas purus viverra accumsan in nisl nisi scelerisque eu. Quisque non tellus orci ac auctor augue mauris augue. Bibendum neque egestas congue quisque egestas diam in arcu. Eget lorem dolor sed viverra.

Feugiat scelerisque varius morbi enim nunc. Lectus proin nibh nisl condimentum id. Eros in cursus turpis massa. Vel orci porta non pulvinar neque laoreet suspendisse. Cursus metus aliquam eleifend mi in. Sit amet commodo nulla facilisi nullam vehicula ipsum a arcu. Nullam eget felis eget nunc lobortis mattis aliquam. Tristique magna sit amet purus gravida quis blandit. Leo vel fringilla est ullamcorper eget. Dui nunc mattis enim ut. Pretium vulputate sapien nec sagittis aliquam. Molestie nunc non blandit massa enim nec dui nunc. Pulvinar neque laoreet suspendisse interdum. Egestas maecenas pharetra convallis posuere morbi leo.

Nisl tincidunt eget nullam non nisi est sit amet. Orci a scelerisque purus semper eget duis at tellus. Scelerisque viverra mauris in aliquam sem fringilla ut morbi tincidunt. Arcu cursus vitae congue mauris. Imperdiet proin fermentum leo vel orci porta non. Habitant morbi tristique senectus et netus et malesuada fames ac. Vitae sapien pellentesque habitant morbi tristique senectus et netus. Viverra ipsum nunc aliquet bibendum enim facilisis. Ullamcorper velit sed ullamcorper morbi tincidunt ornare. Feugiat in ante metus dictum. Vulputate mi sit amet mauris commodo.

Mi sit amet mauris commodo. Aenean pharetra magna ac placerat. Lacus sed viverra tellus in hac habitasse platea dictumst. Malesuada pellentesque elit eget gravida cum sociis natoque penatibus et. Leo duis ut diam quam nulla. Dolor morbi non arcu risus. Eget duis at tellus at urna condimentum mattis pellentesque. Nulla porttitor massa id neque aliquam vestibulum morbi blandit cursus. Vel eros donec ac odio tempor orci dapibus. Pellentesque massa placerat duis ultricies lacus sed. At ultrices mi tempus imperdiet nulla malesuada pellentesque elit. Varius vel pharetra vel turpis. Dapibus ultrices in iaculis nunc sed augue. Sollicitudin ac orci phasellus egestas tellus rutrum tellus pellentesque

eu. Pretium fusce id velit ut tortor pretium. Dui vivamus arcu felis bibendum ut tristique et egestas. Pellentesque eu tincidunt tortor aliquam nulla facilisi cras. Id diam vel quam elementum.

Sed adipiscing diam donec adipiscing tristique risus nec feugiat. Quis viverra nibh cras pulvinar mattis nunc sed blandit libero. Vulputate dignissim suspendisse in est ante in. Vel turpis nunc eget lorem dolor sed viverra ipsum nunc. Aliquam vestibulum morbi blandit cursus risus at ultrices mi tempus. Vitae ultricies leo integer malesuada. Faucibus purus in massa tempor nec feugiat nisl. Varius quam quisque id diam vel quam elementum pulvinar. Mauris rhoncus aenean vel elit scelerisque. Id leo in vitae turpis massa sed elementum. Ornare massa eget egestas purus viverra accumsan in. Porttitor lacus luctus accumsan tortor posuere ac ut. Vehicula ipsum a arcu cursus vitae.

Eu nisl nunc mi ipsum faucibus vitae aliquet nec ullamcorper. Justo laoreet sit amet cursus sit amet dictum sit amet. Scelerisque viverra mauris in aliquam sem. Tristique nulla aliquet enim tortor at. Augue mauris augue neque gravida in fermentum et. Bibendum neque egestas congue quisque egestas diam in arcu cursus. Diam vulputate ut pharetra sit amet aliquam. Consectetur adipiscing elit pellentesque habitant morbi tristique. Non pulvinar neque laoreet suspendisse. Ut lectus arcu bibendum at varius vel pharetra. Id interdum velit laoreet id donec. At urna condimentum mattis pellentesque id nibh tortor id aliquet. Pulvinar mattis nunc sed blandit libero volutpat sed cras. Ultricies lacus sed turpis tincidunt id aliquet. Arcu vitae elementum curabitur vitae nunc sed. Elementum curabitur vitae nunc sed velit dignissim sodales ut eu. Nulla posuere sollicitudin aliquam ultrices. Nunc sed velit dignissim sodales ut eu sem.

Ornare massa eget egestas purus viverra accumsan in nisl nisi. Sit amet facilisis magna etiam tempor orci eu lobortis. Nec ullamcorper sit amet risus nullam eget. Elementum pulvinar etiam non quam. Urna porttitor rhoncus dolor purus non enim praesent elementum facilisis. Blandit cursus risus at ultrices mi. Arcu dui vivamus arcu felis bibendum ut tristique. Ornare quam viverra orci sagittis eu volutpat. Non nisi est sit amet facilisis. Mi quis hendrerit dolor magna eget est lorem ipsum dolor.

A arcu cursus vitae congue mauris rhoncus aenean vel elit. Donec massa sapien faucibus et molestie ac feugiat sed lectus. Sollicitudin tempor id eu nisl. Nisl nunc mi ipsum faucibus vitae aliquet nec. Vitae et leo duis ut diam quam nulla porttitor massa. Lobortis scelerisque fermentum dui faucibus in ornare. Phasellus egestas tellus rutrum tellus pellentesque. Odio tempor orci dapibus ultrices in iaculis nunc sed augue. Nulla porttitor massa id neque aliquam. Tristique risus nec feugiat in fermentum posuere urna nec tincidunt. In hendrerit gravida rutrum quisque. Nisi vitae suscipit tellus mauris a diam maecenas sed enim. Mollis nunc sed id semper risus in hendrerit. Imperdiet proin fermentum leo vel orci porta non pulvinar. Risus nullam eget felis eget nunc. Volutpat est velit egestas dui id ornare arcu. Eget lorem dolor sed viverra ipsum. Nibh ipsum consequat nisl vel pretium lectus quam id. Varius duis at consectetur lorem donec massa. Facilisis leo vel fringilla est ullamcorper eget.

Nibh praesent tristique magna sit amet. Vulputate dignissim suspendisse in est ante in nibh mauris cursus. Quis lectus nulla at volutpat diam ut venenatis tellus. Dignissim enim sit amet venenatis urna cursus eget nunc scelerisque. Odio eu feugiat pretium nibh ipsum consequat. Suspendisse faucibus interdum posuere lorem ipsum dolor sit amet consectetur. Velit laoreet id donec ultrices tincidunt arcu non. Eu turpis egestas pretium aenean pharetra. Tortor dignissim convallis aenean et. Condimentum mattis pellentesque id nibh tortor id aliquet lectus. Rutrum quisque non tellus orci. Feugiat in ante metus dictum. Vestibulum rhoncus est pellentesque elit ullamcorper dignissim cras tincidunt lobortis. Nec tincidunt praesent semper feugiat nibh sed.

Dignissim convallis aenean et tortor at risus viverra. Phasellus egestas tellus rutrum tellus pellentesque eu tincidunt. Quam adipiscing vitae proin sagittis nisl rhoncus. Aliquam eleifend mi in nulla posuere sollicitudin aliquam ultrices sagittis. Luctus venenatis lectus magna fringilla. Lorem ipsum dolor sit amet consectetur adipiscing elit. Feugiat in ante metus dictum at tempor commodo ullamcorper a. Dui faucibus in ornare quam viverra orci sagittis eu. Libero enim sed

faucibus turpis in eu mi bibendum neque. Dolor sit amet consectetur adipiscing elit pellentesque. Aliquam eleifend mi in nulla posuere sollicitudin. Egestas egestas fringilla phasellus faucibus scelerisque eleifend.

Velit scelerisque in dictum non consectetur a. Quam quisque id diam vel quam elementum pulvinar. Ut sem viverra aliquet eget sit amet tellus. Proin fermentum leo vel orci. Enim sed faucibus turpis in. Pellentesque habitant morbi tristique senectus et netus et malesuada fames. Id ornare arcu odio ut. Suspendisse in est ante in nibh mauris cursus. Hac habitasse platea dictumst quisque sagittis. Facilisis volutpat est velit egestas dui id.

Non nisi est sit amet facilisis magna etiam. Urna nec tincidunt praesent semper feugiat nibh sed pulvinar proin. Quis varius quam quisque id diam vel. Leo vel fringilla est ullamcorper eget nulla facilisi etiam. Gravida arcu ac tortor dignissim convallis aenean. Lobortis mattis aliquam faucibus purus in. Hac habitasse platea dictumst quisque sagittis purus sit. Tempor orci eu lobortis elementum nibh tellus molestie. Praesent semper feugiat nibh sed pulvinar proin. Vulputate eu scelerisque felis imperdiet proin.

Eget magna fermentum iaculis eu non diam phasellus. Id aliquet lectus proin nibh. Dolor sed viverra ipsum nunc. Maecenas volutpat blandit aliquam etiam erat. Aliquam eleifend mi in nulla posuere. Tempor orci dapibus ultrices in iaculis. Ornare suspendisse sed nisi lacus sed viverra tellus in hac. Amet justo donec enim diam vulputate ut pharetra sit amet. Ultrices neque ornare aenean euismod. Dis parturient montes nascetur ridiculus mus. Pretium aenean pharetra magna ac placerat.

Convallis tellus id interdum velit laoreet. Ut lectus arcu bibendum at varius vel pharetra vel turpis. Malesuada fames ac turpis egestas sed. Id cursus metus aliquam eleifend. Sit amet est placerat in egestas erat imperdiet. Vitae aliquet nec ullamcorper sit amet risus nullam eget felis. Feugiat nisl pretium fusce id velit. Pellentesque habitant morbi tristique senectus et netus et malesuada fames. Pulvinar proin gravida hendrerit lectus. Elementum tempus egestas sed sed risus pretium. Non diam phasellus vestibulum lorem sed risus ultricies tristique. Nibh venenatis cras sed felis eget. Ligula ullamcorper malesuada proin libero nunc consequat. Quam pellentesque nec nam aliquam sem et. Nunc sed velit dignissim sodales ut eu.

Duis at consectetur lorem donec massa sapien faucibus et molestie. Non arcu risus quis varius quam. Facilisis sed odio morbi quis commodo odio aenean. Cursus sit amet dictum sit. Augue lacus viverra vitae congue. Dictumst quisque sagittis purus sit amet volutpat. Eu augue ut lectus arcu bibendum at varius vel pharetra. Duis ultricies lacus sed turpis tincidunt id aliquet risus feugiat. Ullamcorper a lacus vestibulum sed arcu. In cursus turpis massa tincidunt dui ut. Tincidunt dui ut ornare lectus sit amet est placerat in. Aliquam purus sit amet luctus venenatis lectus magna.

Tristique senectus et netus et. Pellentesque nec nam aliquam sem et. Massa placerat dui ultricies lacus sed. Urna molestie at elementum eu facilisis sed odio morbi quis. Eu volutpat odio facilisis mauris sit amet massa vitae tortor. Ipsum suspendisse ultrices gravida dictum fusce ut placerat. Etiam erat velit scelerisque in dictum non consectetur. Venenatis urna cursus eget nunc scelerisque viverra mauris in. Quis eleifend quam adipiscing vitae proin sagittis nisl rhoncus mattis. Dignissim diam quis enim lobortis scelerisque fermentum dui faucibus. Molestie nunc non blandit massa enim nec dui nunc. In metus vulputate eu scelerisque felis imperdiet proin fermentum leo. Quam lacus suspendisse faucibus interdum posuere. Egestas egestas fringilla phasellus faucibus scelerisque eleifend donec pretium vulputate. Enim neque volutpat ac tincidunt vitae semper quis lectus nulla. In hac habitasse platea dictumst vestibulum rhoncus est pellentesque. Eleifend donec pretium vulputate sapien. Quis imperdiet massa tincidunt nunc pulvinar sapien et ligula ullamcorper. Quam adipiscing vitae proin sagittis nisl rhoncus.

Ultricies lacus sed turpis tincidunt id aliquet risus feugiat in. Scelerisque eu ultrices vitae auctor eu augue ut lectus. Amet est placerat in egestas erat. Dictum varius dui at consectetur lorem donec massa. Nam aliquam sem et tortor consequat id porta nibh venenatis. Tempus quam pellentesque nec nam aliquam sem et tortor consequat. Placerat

orci nulla pellentesque dignissim enim sit. In hac habitasse platea dictumst quisque sagittis purus sit. Purus non enim praesent elementum facilisis leo. Non quam lacus suspendisse faucibus interdum posuere lorem. Convallis aenean et tortor at risus. Enim diam vulputate ut pharetra sit amet aliquam id. Lacus sed turpis tincidunt id aliquet risus feugiat in ante.

Et odio pellentesque diam volutpat commodo sed. Est sit amet facilisis magna etiam tempor orci eu lobortis. Arcu dictum varius duis at consectetur lorem donec. Et pharetra pharetra massa massa ultricies mi quis. Massa placerat duis ultricies lacus sed turpis tincidunt. Arcu ac tortor dignissim convallis. Tellus pellentesque eu tincidunt tortor aliquam nulla facilisi. Id aliquet risus feugiat in ante metus. Quam viverra orci sagittis eu volutpat odio. Nam at lectus urna duis.

Mattis ullamcorper velit sed ullamcorper morbi tincidunt ornare massa eget. Molestie ac feugiat sed lectus. Curabitur gravida arcu ac tortor dignissim convallis aenean et tortor. Ac auctor augue mauris augue. Nibh venenatis cras sed felis eget velit. Id velit ut tortor pretium viverra suspendisse potenti nullam. Auctor urna nunc id cursus metus aliquam eleifend. Eu sem integer vitae justo eget magna. Amet justo donec enim diam vulputate ut pharetra. Convallis posuere morbi leo urna molestie.

Mattis pellentesque id nibh tortor id aliquet. Ipsum dolor sit amet consectetur adipiscing. Est ullamcorper eget nulla facilisi etiam dignissim diam. Imperdiet dui accumsan sit amet nulla facilisi morbi tempus. Consectetur adipiscing elit pellentesque habitant morbi tristique senectus et. Eros donec ac odio tempor orci dapibus. Diam volutpat commodo sed egestas egestas fringilla phasellus faucibus scelerisque. Diam phasellus vestibulum lorem sed risus ultricies. At imperdiet dui accumsan sit amet. Proin libero nunc consequat interdum varius. Pulvinar neque laoreet suspendisse interdum. Faucibus scelerisque eleifend donec pretium vulputate. Accumsan tortor posuere ac ut consequat semper viverra. Laoreet non curabitur gravida arcu. Eget nulla facilisi etiam dignissim diam quis. Tincidunt dui ut ornare lectus sit. Faucibus ornare suspendisse sed nisi lacus sed. Duis convallis convallis tellus id interdum velit. Tincidunt praesent semper feugiat nibh sed pulvinar proin gravida.

Congue eu consequat ac felis donec et odio pellentesque diam. Mattis ullamcorper velit sed ullamcorper morbi tincidunt ornare massa. Ornare arcu dui vivamus arcu felis. Pretium viverra suspendisse potenti nullam ac tortor vitae. Orci ac auctor augue mauris. Commodo quis imperdiet massa tincidunt nunc pulvinar sapien. Tristique et egestas quis ipsum suspendisse ultrices. Gravida arcu ac tortor dignissim convallis aenean et tortor at. Risus sed vulputate odio ut. Enim sit amet venenatis urna cursus eget nunc scelerisque viverra. Id cursus metus aliquam eleifend mi in nulla posuere. Convallis aenean et tortor at risus viverra adipiscing at in.

Mattis enim ut tellus elementum sagittis vitae et. A diam sollicitudin tempor id eu nisl. Adipiscing bibendum est ultricies integer quis auctor elit. Sed velit dignissim sodales ut eu sem integer vitae. Netus et malesuada fames ac turpis egestas maecenas pharetra. Mi bibendum neque egestas congue. Velit egestas dui id ornare arcu odio ut sem nulla. Aliquet porttitor lacus luctus accumsan tortor. Dictum fusce ut placerat orci nulla pellentesque dignissim enim. Ut consequat semper viverra nam libero justo laoreet sit. Eget est lorem ipsum dolor sit. Fringilla est ullamcorper eget nulla. Adipiscing elit pellentesque habitant morbi.

Tortor at risus viverra adipiscing. Accumsan tortor posuere ac ut. Mauris sit amet massa vitae tortor condimentum lacinia. Ac auctor augue mauris augue neque gravida in. Ipsum suspendisse ultrices gravida dictum. At imperdiet dui accumsan sit amet. Tempor id eu nisl nunc. Id aliquet lectus proin nibh nisl condimentum id venenatis a. Auctor neque vitae tempus quam pellentesque. Egestas maecenas pharetra convallis posuere morbi leo urna. Pellentesque elit ullamcorper dignissim cras tincidunt lobortis feugiat vivamus. Nulla posuere sollicitudin aliquam ultrices sagittis orci a scelerisque purus.

Nulla posuere sollicitudin aliquam ultrices sagittis orci a scelerisque. Feugiat vivamus at augue eget arcu. Odio eu feugiat pretium nibh. Dictum fusce ut placerat orci nulla. Adipiscing elit ut aliquam purus sit. Sit amet consectetur adipiscing elit pellentesque. Nunc id cursus metus aliquam. Mattis aliquam faucibus purus in massa tempor. Vitae congue mauris rhoncus aenean vel elit scelerisque mauris. Ornare aenean euismod elementum nisi quis eleifend quam adipiscing vitae. Morbi blandit cursus risus at ultrices. Tristique senectus et netus et malesuada fames. Consectetur purus ut faucibus pulvinar elementum. Ipsum nunc aliquet bibendum enim facilisis.

Laoreet suspendisse interdum consectetur libero id faucibus nisl tincidunt. Eget nunc scelerisque viverra mauris. Nunc sed augue lacus viverra vitae congue. Semper auctor neque vitae tempus quam pellentesque nec nam. Dui nunc mattis enim ut tellus. Est placerat in egestas erat imperdiet sed euismod nisi porta. At lectus urna duis convallis convallis tellus id interdum. Vel pharetra vel turpis nunc eget lorem. In cursus turpis massa tincidunt. Neque viverra justo nec ultrices. Tellus orci ac auctor augue mauris augue neque. Platea dictumst quisque sagittis purus. Morbi quis commodo odio aenean sed. Netus et malesuada fames ac turpis egestas.

Mauris augue neque gravida in fermentum et sollicitudin ac orci. Volutpat odio facilisis mauris sit amet massa vitae tortor. Sit amet cursus sit amet. Euismod in pellentesque massa placerat duis ultricies lacus sed turpis. Convallis tellus id interdum velit laoreet id donec ultrices tincidunt. Egestas egestas fringilla phasellus faucibus scelerisque eleifend. Non curabitur gravida arcu ac tortor dignissim convallis. Sed sed risus pretium quam vulputate. Commodo elit at imperdiet dui accumsan sit amet nulla facilisi. Imperdiet massa tincidunt nunc pulvinar sapien et ligula ullamcorper. Fermentum et sollicitudin ac orci phasellus egestas tellus. Netus et malesuada fames ac turpis. Accumsan lacus vel facilisis volutpat est velit egestas. Nibh tortor id aliquet lectus proin nibh nisl condimentum id. Mattis pellentesque id nibh tortor. Porttitor eget dolor morbi non arcu risus quis varius quam. Nec ullamcorper sit amet risus. Feugiat nisl pretium fusce id velit ut tortor pretium. Malesuada pellentesque elit eget gravida cum sociis natoque penatibus. At risus viverra adipiscing at in tellus integer feugiat scelerisque.

Ornare arcu dui vivamus arcu. Tristique risus nec feugiat in fermentum posuere urna. In fermentum posuere urna nec tincidunt praesent. Adipiscing bibendum est ultricies integer quis auctor elit sed vulputate. Quisque egestas diam in arcu cursus euismod. Fermentum dui faucibus in ornare quam viverra orci. Odio ut enim blandit volutpat maecenas volutpat blandit aliquam etiam. Ultricies integer quis auctor elit sed. Arcu bibendum at varius vel pharetra. Semper viverra nam libero justo laoreet sit amet cursus. Consequat id porta nibh venenatis. Pharetra massa massa ultricies mi quis hendrerit dolor magna. Quam elementum pulvinar etiam non quam lacus. Tortor pretium viverra suspendisse potenti nullam ac.

Vitae aliquet nec ullamcorper sit amet risus nullam eget felis. Sed id semper risus in. Tincidunt nunc pulvinar sapien et ligula ullamcorper malesuada proin. Odio euismod lacinia at quis risus sed vulputate odio. Curabitur gravida arcu ac tortor dignissim convallis aenean et tortor. Laoreet non curabitur gravida arcu ac tortor. Urna nec tincidunt praesent semper feugiat nibh. Nec feugiat nisl pretium fusce id velit ut. Risus quis varius quam quisque id diam vel quam elementum. Mauris sit amet massa vitae tortor condimentum lacinia quis vel. Molestie nunc non blandit massa enim. Vulputate sapien nec sagittis aliquam. Mauris cursus mattis molestie a iaculis at. Id eu nisl nunc mi. Varius quam quisque id diam vel quam. Convallis tellus id interdum velit laoreet id donec ultrices.

Ullamcorper dignissim cras tincidunt lobortis feugiat. Gravida rutrum quisque non tellus orci ac auctor augue. Pulvinar sapien et ligula ullamcorper malesuada proin libero nunc consequat. Urna nec tincidunt praesent semper. Aliquam id diam maecenas ultricies mi eget mauris pharetra. Ac auctor augue mauris augue neque gravida in. Duis tristique sollicitudin nibh sit amet commodo nulla facilisi. Scelerisque mauris pellentesque pulvinar pellentesque habitant morbi tristique. Eget velit aliquet sagittis id consectetur purus ut. Adipiscing enim eu turpis egestas. Cursus

eget nunc scelerisque viverra mauris in aliquam sem. Eismod quis viverra nibh cras pulvinar mattis nunc. Mattis aliquam faucibus purus in massa tempor nec feugiat nisl. Maecenas sed enim ut sem viverra aliquet eget sit amet. Libero justo laoreet sit amet cursus sit. Nibh tortor id aliquet lectus proin nibh nisl. Sed ullamcorper morbi tincidunt ornare massa eget.

Ac odio tempor orci dapibus ultrices. Ipsum dolor sit amet consectetur adipiscing elit pellentesque habitant morbi. Risus feugiat in ante metus dictum at tempor commodo. Eu feugiat pretium nibh ipsum consequat. Et netus et malesuada fames ac turpis egestas sed. Pretium viverra suspendisse potenti nullam. Praesent elementum facilisis leo vel fringilla est. Augue interdum velit eismod in pellentesque massa placerat duis ultricies. Adipiscing diam donec adipiscing tristique risus. Sagittis eu volutpat odio facilisis mauris sit amet. Faucibus pulvinar elementum integer enim neque volutpat ac tincidunt vitae. Massa enim nec dui nunc mattis enim. Mattis molestie a iaculis at erat. Nullam ac tortor vitae purus faucibus ornare suspendisse. Fermentum leo vel orci porta non pulvinar. Scelerisque mauris pellentesque pulvinar pellentesque habitant morbi. In est ante in nibh mauris cursus mattis. Aliquet sagittis id consectetur purus ut. In fermentum et sollicitudin ac orci phasellus egestas tellus. Tincidunt nunc pulvinar sapien et.

Velit egestas dui id ornare arcu odio. Amet mauris commodo quis imperdiet massa tincidunt. At quis risus sed vulputate odio ut enim blandit volutpat. Hendrerit gravida rutrum quisque non tellus orci. Velit laoreet id donec ultrices tincidunt arcu non sodales neque. In eu mi bibendum neque. Lorem ipsum dolor sit amet consectetur adipiscing elit pellentesque. Nec ultrices dui sapien eget mi proin. Nam at lectus urna duis convallis convallis tellus id. Dolor morbi non arcu risus quis varius.

Cursus metus aliquam eleifend mi in. Nibh venenatis cras sed felis eget. Vulputate eu scelerisque felis imperdiet proin fermentum leo vel orci. Hac habitasse platea dictumst quisque sagittis purus. Mauris cursus mattis molestie a iaculis at erat. Pellentesque dignissim enim sit amet venenatis urna cursus. Aliquam ultrices sagittis orci a. Tempus iaculis urna id volutpat lacus laoreet. Eget duis at tellus at urna condimentum mattis pellentesque. Iaculis at erat pellentesque adipiscing commodo. Nisl nisi scelerisque eu ultrices vitae.

Dictumst quisque sagittis purus sit amet volutpat consequat mauris nunc. Nulla aliquet enim tortor at auctor urna nunc. Justo laoreet sit amet cursus sit amet. Nisl pretium fusce id velit ut tortor. Adipiscing vitae proin sagittis nisl rhoncus mattis rhoncus urna. Aliquet bibendum enim facilisis gravida neque convallis a cras semper. Nunc sed augue lacus viverra vitae congue. Nisl nunc mi ipsum faucibus vitae aliquet. Orci a scelerisque purus semper eget duis at. Eismod elementum nisi quis eleifend quam adipiscing vitae proin. Sed tempus urna et pharetra pharetra massa massa ultricies mi. Scelerisque in dictum non consectetur a erat nam. Vel risus commodo viverra maecenas accumsan. Varius duis at consectetur lorem donec massa. Molestie a iaculis at erat pellentesque adipiscing commodo elit. Eget duis at tellus at. Augue neque gravida in fermentum et sollicitudin ac orci. Viverra accumsan in nisl nisi scelerisque eu ultrices.

Suscipit adipiscing bibendum est ultricies integer quis auctor. Faucibus nisl tincidunt eget nullam non nisi. Turpis massa tincidunt dui ut ornare lectus sit. Commodo nulla facilisi nullam vehicula ipsum a arcu cursus vitae. Tincidunt eget nullam non nisi est. Aliquet bibendum enim facilisis gravida neque. Volutpat consequat mauris nunc congue nisi vitae suscipit tellus mauris. Nibh praesent tristique magna sit amet purus gravida quis blandit. Ultricies mi eget mauris pharetra et ultrices. Elementum nibh tellus molestie nunc. Fringilla urna porttitor rhoncus dolor purus non enim praesent elementum. Imperdiet massa tincidunt nunc pulvinar sapien.

Feugiat pretium nibh ipsum consequat nisl vel pretium lectus quam. Cursus metus aliquam eleifend mi in nulla posuere sollicitudin. Nullam non nisi est sit amet facilisis magna. Dictumst vestibulum rhoncus est pellentesque. Facilisi morbi tempus iaculis urna id volutpat lacus laoreet. Egestas tellus rutrum tellus pellentesque eu tincidunt. Neque viverra justo nec ultrices dui sapien eget. Vivamus at augue eget arcu dictum varius duis at consectetur. Faucibus et molestie ac

feugiat sed lectus. Ac turpis egestas integer eget. Mollis nunc sed id semper risus in hendrerit gravida rutrum. Magna fringilla urna porttitor rhoncus dolor. Mauris vitae ultricies leo integer malesuada nunc vel risus commodo. Euismod quis viverra nibh cras.

At varius vel pharetra vel turpis nunc eget lorem dolor. Eget velit aliquet sagittis id consectetur purus ut. Ut venenatis tellus in metus. Arcu felis bibendum ut tristique et egestas quis. Adipiscing elit pellentesque habitant morbi tristique senectus et. Dignissim sodales ut eu sem. Est lorem ipsum dolor sit amet. Nisi lacus sed viverra tellus. Habitant morbi tristique senectus et netus et malesuada fames ac. Sapien et ligula ullamcorper malesuada proin libero. At quis risus sed vulputate odio ut enim blandit volutpat. Enim blandit volutpat maecenas volutpat blandit aliquam. Quis lectus nulla at volutpat diam. Mauris nunc congue nisi vitae suscipit tellus mauris a diam. Est sit amet facilisis magna etiam tempor. Ac placerat vestibulum lectus mauris ultrices eros in.

15 ACKNOWLEDGMENTS

Identification of funding sources and other support, and thanks to individuals and groups that assisted in the research and the preparation of the work should be included in an acknowledgment section, which is placed just before the reference section in your document.

This section has a special environment:

```
\begin{acks}
...
\end{acks}
```

so that the information contained therein can be more easily collected during the article metadata extraction phase, and to ensure consistency in the spelling of the section heading.

Authors should not prepare this section as a numbered or unnumbered `\section`; please use the “acks” environment.

ACKNOWLEDGMENTS

To Robert, for the bagels and explaining CMYK and color spaces.

REFERENCES

- [1] Rafal Ablamowicz and Bertfried Fauser. 2007. CLIFFORD: a Maple 11 Package for Clifford Algebra Computations, version 11. (2007). Retrieved February 28, 2008 from <http://math.tntech.edu/rafal/cliff11/index.html>
- [2] Patricia S. Abril and Robert Plant. 2007. The patent holder’s dilemma: Buy, sell, or troll? *Commun. ACM* 50, 1 (Jan. 2007), 36–44. DOI: <http://dx.doi.org/10.1145/1188913.1188915>
- [3] Sten Andler. 1979. Predicate Path expressions. In *Proceedings of the 6th. ACM SIGACT-SIGPLAN symposium on Principles of Programming Languages (POPL '79)*. ACM Press, New York, NY, 226–236. DOI: <http://dx.doi.org/10.1145/567752.567774>
- [4] David A. Anisi. 2003. *Optimal Motion Control of a Ground Vehicle*. Master’s thesis. Royal Institute of Technology (KTH), Stockholm, Sweden.
- [5] Sam Anzaroot and Andrew McCallum. 2013. UMass Citation Field Extraction Dataset. (2013). Retrieved May 27, 2019 from <http://www.iesl.cs.umass.edu/data/data-umasscitationfield>
- [6] Kenneth L. Clarkson. 1985. *Algorithms for Closest-Point Problems (Computational Geometry)*. Ph.D. Dissertation. Stanford University, Palo Alto, CA. UMI Order Number: AAT 8506171.
- [7] Jacques Cohen (Ed.). 1996. Special issue: Digital Libraries. *Commun. ACM* 39, 11 (Nov. 1996).
- [8] Sarah Cohen, Werner Nutt, and Yehoshua Sagie. 2007. Deciding equivalences among conjunctive aggregate queries. *J. ACM* 54, 2, Article 5 (April 2007), 50 pages. DOI: <http://dx.doi.org/10.1145/1219092.1219093>
- [9] Bruce P. Douglass, David Harel, and Mark B. Trakhtenbrot. 1998. Statecharts in use: structured analysis and object-orientation. In *Lectures on Embedded Systems*, Grzegorz Rozenberg and Frits W. Vaandrager (Eds.). Lecture Notes in Computer Science, Vol. 1494. Springer-Verlag, London, 368–394. DOI: http://dx.doi.org/10.1007/3-540-65193-4_29

- [10] Ian Editor (Ed.). 2007. *The title of book one* (1st. ed.). The name of the series one, Vol. 9. University of Chicago Press, Chicago. DOI:<http://dx.doi.org/10.1007/3-540-09237-4>
- [11] Ian Editor (Ed.). 2008. *The title of book two* (2nd. ed.). University of Chicago Press, Chicago, Chapter 100. DOI :<http://dx.doi.org/10.1007/3-540-09237-4>
- [12] Matthew Van Gundy, Davide Balzarotti, and Giovanni Vigna. 2007. Catch me, if you can: Evading network signatures with web-based polymorphic worms. In *Proceedings of the first USENIX workshop on Offensive Technologies (WOOT '07)*. USENIX Association, Berkley, CA, Article 7, 9 pages.
- [13] David Harel. 1978. *LOGICS of Programs: AXIOMATICS and DESCRIPTIVE POWER*. MIT Research Lab Technical Report TR-200. Massachusetts Institute of Technology, Cambridge, MA.
- [14] David Harel. 1979. *First-Order Dynamic Logic*. Lecture Notes in Computer Science, Vol. 68. Springer-Verlag, New York, NY. DOI :<http://dx.doi.org/10.1007/3-540-09237-4>
- [15] Lars Hörmander. 1985. *The analysis of linear partial differential operators. III*. Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences], Vol. 275. Springer-Verlag, Berlin, Germany. viii+525 pages. Pseudodifferential operators.
- [16] Lars Hörmander. 1985. *The analysis of linear partial differential operators. IV*. Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences], Vol. 275. Springer-Verlag, Berlin, Germany. vii+352 pages. Fourier integral operators.
- [17] IEEE. 2004. IEEE TCSC Executive Committee. In *Proceedings of the IEEE International Conference on Web Services (ICWS '04)*. IEEE Computer Society, Washington, DC, USA, 21–22. DOI :<http://dx.doi.org/10.1109/ICWS.2004.64>
- [18] Markus Kirschmer and John Voight. 2010. Algorithmic Enumeration of Ideal Classes for Quaternion Orders. *SIAM J. Comput.* 39, 5 (Jan. 2010), 1714–1747. DOI :<http://dx.doi.org/https://doi.org/10.1137/080734467>
- [19] Donald E. Knuth. 1997. *The Art of Computer Programming, Vol. 1: Fundamental Algorithms (3rd. ed.)*. Addison Wesley Longman Publishing Co., Inc.
- [20] David Kosiur. 2001. *Understanding Policy-Based Networking* (2nd. ed.). Wiley, New York, NY.
- [21] Leslie Lamport. 1986. *TEX: A Document Preparation System*. Addison-Wesley, Reading, MA.
- [22] Newton Lee. 2005. Interview with Bill Kinder: January 13, 2005. Video, *Comput. Entertain.* 3, 1 (Jan.-March 2005). DOI :<http://dx.doi.org/10.1145/1057270.1057278>
- [23] Dave Novak. 2003. Solder man. Video. In *ACM SIGGRAPH 2003 Video Review on Animation theater Program: Part I - Vol. 145 (July 27–27, 2003)*. ACM Press, New York, NY, 4. DOI :<http://dx.doi.org/99.9999/woot07-S422>
- [24] Barack Obama. 2008. A more perfect union. Video. (5 March 2008). Retrieved March 21, 2008 from <http://video.google.com/videoplay?docid=6528042696351994555>
- [25] Poker-Edge.Com. 2006. Stats and Analysis. (March 2006). Retrieved June 7, 2006 from <http://www.poker-edge.com/stats.php>
- [26] R Core Team. 2019. R: A Language and Environment for Statistical Computing. (2019). <https://www.R-project.org/>
- [27] Bernard Rous. 2008. The Enabling of Digital Libraries. *Digital Libraries* 12, 3, Article 5 (July 2008). To appear.
- [28] Mehdi Saeedi, Morteza Saheb Zamani, and Mehdi Sedighi. 2010. A library-based synthesis methodology for reversible logic. *Microelectron. J.* 41, 4 (April 2010), 185–194.
- [29] Mehdi Saeedi, Morteza Saheb Zamani, Mehdi Sedighi, and Zahra Sasanian. 2010. Synthesis of Reversible Circuit Using Cycle-Based Approach. *J. Emerg. Technol. Comput. Syst.* 6, 4 (Dec. 2010).
- [30] Joseph Scientist. 2009. The fountain of youth. (Aug. 2009). Patent No. 12345, Filed July 1st., 2008, Issued Aug. 9th., 2009.
- [31] Stan W. Smith. 2010. An experiment in bibliographic mark-up: Parsing metadata for XML export. In *Proceedings of the 3rd. annual workshop on Librarians and Computers (LAC '10)*, Reginald N. Smythe and Alexander Noble (Eds.), Vol. 3. Paparazzi Press, Milan Italy, 422–431. DOI :<http://dx.doi.org/99.9999/woot07-S422>
- [32] Asad Z. Spector. 1990. Achieving application requirements. In *Distributed Systems* (2nd. ed.), Sape Mullender (Ed.). ACM Press, New York, NY, 19–33. DOI :<http://dx.doi.org/10.1145/90417.90738>
- [33] Harry Thornburg. 2001. Introduction to Bayesian Statistics. (March 2001). Retrieved March 2, 2005 from <http://ccrma.stanford.edu/~jos/bayes/bayes.html>
- [34] TUG. 2017. Institutional members of the T_EX Users Group. (2017). Retrieved May 27, 2017 from <http://wwtug.org/instmem.html>
- [35] Boris Veytsman. acmart—Class for typesetting publications of ACM. (????). Retrieved May 27, 2017 from <http://www.ctan.org/pkg/acmart>