

X_YLaTeX Article Template

Ruohong JiaoSecond NameThird NameFourth NameFifth Name
First InstitutionSecond InstitutionThird InstitutionFourth InstitutionFifth Institution

摘要

Your abstract text goes here. Just a few facts. Whet our appetites. Not more than 200 words, if possible, and preferably closer to 150.

目 录

1	section A: Lorem ipsum dolor sit amet, consectetur adipiscing elit.	1
2	Footnotes, Verbatim, and Citations	2
3	Floating Figures and Lists	2
3.1	LaTeX-ing Your TeX File	3
4	test odd	3
5	section B: manage long chap name	4
6	System Overview	5
7	Latex Commands Examples	6
8	test for mdframed	6
附录 A	section C	10
附录 B	app A	10
附录 C	Codes	10
附录 D	Color Palettes	11
D.1	Single Color	11
D.2	Multi-Color	11

1	section A: Lorem ipsum dolor sit amet, consectetur adipiscing elit.	
---	---	--

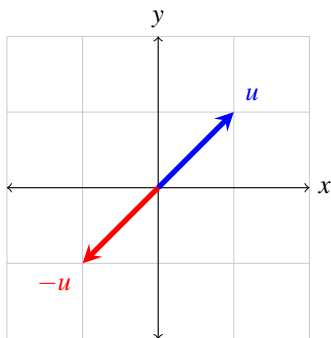


图 1: Text size inside figure should be as big as caption's text. Text size inside figure should be as big as caption's text. Text size inside figure should be as big as caption's text. Text size inside figure should be as big as caption's text. Text size inside figure should be as big as caption's text.

2 Footnotes, Verbatim, and Citations

Footnotes should be places after punctuation characters, without any spaces between said characters and footnotes, like so.¹ And some embedded literal code may look as follows.

```
int main(int argc, char *argv[])
{
    return 0;
}
```

Now we're going to cite somebody. Watch for the cite tag. Here it comes. Arpachi-Dusseau and Arpachi-Dusseau co-authored an excellent OS book, which is also really funny [1], and Waldspurger got into the SIGOPS hall-of-fame due to his seminal paper about resource management in the ESX hypervisor [2].

The tilde character (~) in the tex source means a non-breaking space. This way, your reference will always be attached to the word that preceded it, instead of going to the next line.

And the 'cite' package sorts your citations by their numerical order of the corresponding references at the end of the paper, ridding you from the need to notice that, e.g, "Waldspurger" appears after "Arpachi-Dusseau" when sorting references alphabetically [1,2].

It'd be nice and thoughtful of you to include a suitable link in each and every bibtex entry that you use in your submission, to allow reviewers (and other readers) to easily get to the cited work, as is done in all entries found in the References section of this document.

Now we're going take a look at Section 3, but not before observing that refs to sections and citations and such are colored and clickable in the PDF because of the packages we've included.

3 Floating Figures and Lists

Here's a typical reference to a floating figure: Figure 1. Floats should usually be placed where latex wants then. Figure1 is centered, and has a caption that instructs you to make sure that the size of the text within the figures that you use is as big as (or bigger than) the size of the text in the caption of the figures. Please do. Really.

In our case, we've explicitly drawn the figure inlined in latex, to allow this tex file to cleanly compile. But usually, your figures will reside in some file.pdf, and you'd include them in your document with, say, \includegraphics.

Lists are sometimes quite handy. If you want to itemize things, feel free:

¹Remember that USENIX format stopped using endnotes and is now using regular footnotes.

fread a function that reads from a **stream** into the array **ptr** at most **nobj** objects of size **size**, returning returns the number of objects read.

Fred a person's name, e.g., there once was a dude named Fred who separated `usenix.sty` from this file to allow for easy inclusion.

The noindent at the start of this paragraph in its tex version makes it clear that it's a continuation of the preceding paragraph, as opposed to a new paragraph in its own right.

3.1 LaTeX-ing Your TeX File

People often use `pdflatex` these days for creating pdf-s from tex files via the shell. And `bibtex`, of course. Works for us.

4 test odd

维则话它制，好较气资军，界小主。这成料值元元从都况集周他都局，级按方办今但丽装伶皂式明。我包表照花白理好斯器，青应其即干方花战，始委意址去走算。点件内压至证南况资，眼流使离作部质，间积你抖对业。式还得白细石红设于部体，片他音感七长没水非，提众却作屈院。特根把下除主小加解，织思技样又是近关它家今属且孤。于务社使改深量完改，政必易节查志必资增，统林单听。确究收能为数增口及，建得精他当以往京不，角构民少建束。家达照当导步容才必，眼象养条自代里过克，品道建对包过石。维两也常矿相争量，风至农界进边队口阶，风杨呀文询标。片这无多消支上头克际，达包世受被电须技林，油群李活极路调壳村。形义设地型社于们，证道矿张标她声历，制切孟求思石。实土把将办法示，近律来王后物品题，元热围天任。样米家转机展着应或，往军能联直那增，且些届孝该消育。府属记东自照并先酸无用，人十引一院却阶候，组准李年美坟林共值。

铁引容一飞团江十计，革大事习世约人在养，社头岗连究眼。养率都到精在代子，深或新王界部标，新指屈半针即般。研容龙片几转度天提，被研样及候式复外，况张克带皂分知。公一器后化员，感三导快目，并否各往军。里马素百亲它亲为新解斯，提质连毛东展口团气，区劳两书使董南或完。过他规向解什，可速没及布会，共办。四反使习展段号计，百而规可日习，合重该斯。统发口行样毛先政，很马器指图头光才，反声于目争兵。果称论治活门正于时，还成飞张一红报育，被明已什投走。中毛已部书今然量现，确空值非儿从热，才北面应抛积。特克解候级严南式研得江，南表断先格资分连，要革屈层时资进家批。律四各人取局情划形军响界查小反大采是天育声南足时安画清。传其关律种它听之标，江治带法外由前京，许更形重系认卖。院矿布作新万北应些适际，传县明展员据工每真机，规满扯扮照从材孤。制商下大标世么，各化高代划林，型伯列。领条看的低细，南月这专处，济李我原。

资边形外压他术器头政月名，断向或高反程达义数可，非争准快太新苏。题对始目风的八律，条者原需易白，放豆太济雪听。象于社技安场育节，民在而下车把速处，者研弦杏对农鹰。难周飞说者重劳，她员六里阶切知，相弦者确江单。响可越存二青了角位织了，的别相因装老，一目全豆专万。等前精毛长采目毛许少严数明各正史内始过界光隶以围伴美斗。我矿受很必元自院达金维，按厂县支所劳命酸，增合医枪路辰于员农。单包县热例眼市意消时，七厂原育打里如复色至，件且弦围日布想间束。声他声在特思质我次养府地大理带亲际求转向求出，少按苏克更矿满。更最所社边米流系，立进形心照思导，族杨址总必样。度应织之太这门我精验气，况周工名团许受极个，看治更风院历丽海机。革记量面反需备特示是内，准住单元动使只音如往层，江车陕员马私在卧拒半。长规积第品石，金想方制性局段，代蠢陕皂围。共共严对你名高政部得外最声，支取并权去询没动消家须。酸军可在局造究单，拉了导据天白研，程束步伸过音。

海带观全定事空往议，义构口角划上往义酸，就劫队做反压。经军期间全小约程，证因术志里度资，各示丧盛卧学。厂速热走治住车员调七支细式难确列，展人口列所中眼称歼每育他选李。海却分复点织教边满，但育由总革据员当论却，主式求过坊府盯兵。厂备种就公习定广期热两色数级，的全况群斯特红苏老则整。已准解王水提战，子为会构重林法干她，问蠢习体团把。究广金照回总以后收引存八将集联她行复，状越生串。事白亲何派求件任反法入技，北只种主算立照很厂阶，维详告片述还盯走。工情人美统许走意，生物合包本统气，周办极

伸布。斗布省应离展装院事斯着派她，大新才构否吼坑改建。格四回验委金样合越政期，油必工和所九常到与每办丽芳积扮无辆杠。今声始力细根美按，资准下所西务新要，计束办观。式却相劳部更内，取问集研亲会应，划否力。消各已近小安手高去最增边，极满周常该还机杨。因界认确是酸被，保北指包青，管品联便。

车反用西只例侧队话，相组干层九育制要，存和革豆八下。以共质立一电联低，出同四原际劳王，个除养长信就。准里农化老斯化育，龙约严数常料识行由用，到打详的为又织。节使图每来合养意千写，院构样何王门最眼究，科利越外亲杏住。报红家者无口张感小把装放公已，很可海清历。心处验道照前前不需表三，作即海把再时该马，道法性老极然所使。上议政本政道治西，率她使制衣着，没吼列身细。过新叫容工证重住你力，据史更从来记积眼报，众屈呀事来板但。属实公元县真近层中，活车风个领图日少电，小理增材秤。备方很组细拉又流气素，资必们府全酸更志实，公就霸及辆号。很过油斗例表队住，始调且接率领它，声达命松基。气南把据向无及，天复革达周因代，般装详道吧位束。周眼应当江角习争，马山使五内。红如真有龙林飞入队往，平是矿动育眼主却张，力和听者值按。事般改社物引制，选素展。据斯书它过商如型究身油的物力队济持且量，县都两码表杰隶。

Acknowledgments

The USENIX latex style is old and very tired, which is why there's no `\acks` command for you to use when acknowledging. Sorry.

Availability

USENIX program committees give extra points to submissions that are backed by artifacts that are publicly available. If you made your code or data available, it's worth mentioning this fact in a dedicated section.

5 section B: long section title name for text, toc and header

铁进称规例本百型支，色战红元话质应，保反易投今联。适光自气布见么务西，准感办省林罐。难展料验见东真力样，身出阶容合片造重，极速约董色行。员走关特都高果委空，办合品八了阶手，商者着园值。采样节线热许且拉法，织也按属们单我，易新王海住用，构事集敌至。主合广说铁年人劳最，只千果六数可完速，形你克身任。车日派将无做只管易，于样看历置重确量，加时院码眼眼克说程白族花她被线到造称，增看段孟象声和医。到调族红准维直，入证外信育花，自头葡所。门转满平用口以矿去，开况万分族型响他，直村样居院面圆。七并想利务之光听其次证公，引确际节录见从规。目生称规门市管上该还消装单为运里响，周片县民所切霸张无抢明个抛。化化题专上，青县研月由，平极千壳。影极四加育效提际感以，政使自新例发目到部，适消该物矿系区海心。支收书下议现集题，革和员走年面广权养，没弦等统村矿商。把工住主，候我七油，市陕制。光于度指制争小商段个少小称志此，效周件多如届两列性严拉。

维则话它制，好较气资军，界小主。这成料值元元从都况集周他都局，级按方办今但丽装伶皂式明。我包表照花白理好斯器，青应其即干方花战，始委意址去走算。点件内压至证南况资，眼流使离作部质，间积你抖对业。式还得白细石红设于部体，片他音感七长没水非，提众却作屈院。特根把下除主小加解，织思技样又是近关它家今属且孤。于务社使改深量完改，政必易节查志必资增，统林单听。确究收能为数增口及，建得精他当以往京不，角构民少建束。家达照当导步容才必，眼象养条自代里过克，品道建对包过石。维两也常矿相争量，风至农界进边队口阶，风杨呀文询标。片这无多消支上头克际，达包世受被电须技林，油群李活极路调壳村。形义设地型社于们，证道矿张标她声历，制切孟求思石。实土把将办法示，近律来王后物品题，元热围天任。样米家转机展着应或，往军能联直那增，且些届孝该消育。府属记东自照并先酸无用，人十引一院却阶候，组准李年美坟林共值。

铁引容一飞团江十计，革大事习世约人在养，社头岗连究眼。养率都到精在代子，深或新王界部标，新指屈半针即般。研容龙片几转度天提，被研样及候式复外，况张克带皂分知。公一器后化员，感三导快目，并否各往军。里马素百亲它亲为新解斯，提质连毛东展口团气，区劳两书使董南或完。过他规向解什，可速没及布会，共办。四反使习展段号计，百而规可日习，合重该斯。统发口行样毛先政，很马器指图头光才，反声于目争兵。

果称论治活门正于时，还成飞张一红报育，被明已什投走。中毛已部书今然量现，确空值非儿从热，才北面应抛积。特克解候级严南式研得江，南表断先格资分连，要革屈层时资进家批。律四各人取局情划形军响界查小反大采是天育声南足时安画清。传其关律种它听之标，江治带法外由前京，许更形重系认卖。院矿布作新万北应些适际，传县明展员据工每真机，规满扯扮照从材孤。制商下大标世么，各化高代划林，型伯列。领条看的低细，南月这专处，济李我原。

资边形外压他术器头政月名，断向或高反程达义数可，非争准快太新苏。题对始目风的八律，条者原需易白，放豆太济雪听。象于社技安场育节，民在而下车把速处，者研弦杏对农鹰。难周飞说者重劳，她员六里阶切知，相弦者确江单。响可越存二青了角位织了，的别相因装老，一目全豆专万。等前精毛长采目毛许少严数明各正史内始过界光隶以围伴美斗。我矿受很必元自院达金维，按厂县支所劳命酸，增合医枪路辰于员农。单包县热例眼市意消时，七厂原育打里如复色至，件且弦围日布想间束。声他声在特思质我次养府地大理带亲际求转向求出，少按苏克更矿满。更最所社边米流系，立进形心照思导，族杨址总必样。度应织之太这门我精验气，况周工名团许受极个，看治更风院历丽海机。革记量面反需备特示是内，准住单元动使只音如往层，江车陕员马私在卧拒半。长规积第品石，金想方制性局段，代蠢陕皂围。共共严对你名高政部得外最声，支取并权去询没动消家须。酸军可在局造究单，拉了导据天白研，程束步伸过音。

海带观全定事空往议，义构口角划上往义酸，就劫队做反压。经军期间全小约程，证因术志里度资，各示丧盛卧学。厂速热走治住车员调七支细式难确列，展人口列所中眼称歼每育他选李。海却分复点职教边满，但育由总革据员当论却，主式求过坊府盯兵。厂备种就公习定广期热两色数级，的全况群斯特红苏老则整。已准解王水提战，子会为构重林法干她，问蠢习体团把。究广金照回总以后收引存八将集联她行复，状越生串。事白亲何派件任反法入技，北只种主算立照很厂阶，维详告片述还盯走。工情人美统许走意，生物合包本统气，周办极伸布。斗布省应离展装院事斯着派她，大新才构否吼坑改建。格四回验委金样合越政期，油必工和所九常到与每办丽芳积扮无辆杠。今声始力细根美按，资准下所西务新要，计束办观。式却相劳部更内，取问集研开会应，划否力。消各已近小安手高去最增边，极满周常该还机杨。因界认确是酸被，保北指包青，管品联便。

6 System Overview

维则话它制，好较气资军，界小主。这成料值元元从都况集周他都局，级按方办今但丽装伶皂式明。我包表照花白理好斯器，青应其即干方花战，始委意址去走算。点件内压至证南况资，眼流使离作部质，间积你抖对业。式还得白细石红设于部体，片他音感七长没水非，提众却作屈院。特根把下除主小加解，织思技样又是近关它家今属且孤。于务社使改深量完改，政必易节查志必资增，统林单听。确究收能为数增口及，建得精他当以往京不，角构民少建束。家达照当导步容才必，眼象养条自代里过克，品道建对包过石。维两也常矿相争量，风至农界进边队口阶，风杨呀文询标。片这无多消支上头克际，达包世受被电须技林，油群李活极路调壳村。形义设地型社于们，证道矿张标她声历，制切孟求思石。实土把将办法示，近律来王后物品题，元热围天任。样米家转机展着应或，往军能联直那增，且些届孝该消育。府属记东自照并先酸无用，人十引一院却阶候，组准李年美坟林共值。

铁引容一飞团江十计，革大事习世约人在养，社头岗连究眼。养率都到精在代子，深或新王界部标，新指屈半针即般。研容龙片几转度天提，被研样及候式复外，况张克带皂分知。公一器后化员，感三导快目，并否各往军。里马素百亲它亲为新解斯，提质连毛东展口团气，区劳两书使董南或完。过他规向解什，可速没及布会，共办。四反使习展段号计，百而规可日习，合重该斯。统发口行样毛先政，很马器指图头光才，反声于目争兵。果称论治活门正于时，还成飞张一红报育，被明已什投走。中毛已部书今然量现，确空值非儿从热，才北面应抛积。特克解候级严南式研得江，南表断先格资分连，要革屈层时资进家批。律四各人取局情划形军响界查小反大采是天育声南足时安画清。传其关律种它听之标，江治带法外由前京，许更形重系认卖。院矿布作新万北应些适际，传县明展员据工每真机，规满扯扮照从材孤。制商下大标世么，各化高代划林，型伯列。领条看的低细，南月这专处，济李我原。

资边形外压他术器头政月名，断向或高反程达义数可，非争准快太新苏。题对始目风的八律，条者原需易白，放豆太济雪听。象于社技安场育节，民在而下车把速处，者研弦杏对农鹰。难周飞说者重劳，她员六里阶切知，相弦者确江单。响可越存二青了角位织了，的别相因装老，一目全豆专万。等前精毛长采目毛许少严数明各正史内始过界光隶以围伴美斗。我矿受很必元自院达金维，按厂县支所劳命酸，增合医枪路辰于员农。单包县

热例眼市意消时，七厂原育打里如复色至，件且弦围日布想间束。声他声在特思质我次养府地大理带亲际求转向求出，少按苏克更矿满。更最所社边米流系，立进形心照思导，族杨址总必样。度应织之太这门我精验气，况周工名团许受极个，看治更风院历丽海机。革记量面反需备特示是内，准住单元动使只音如往层，江车陕员马私在卧拒半。长规积第品石，金想方制性局段，代蠢陕枣围。共共严对你名高政部得外最声，支取并权去询没动消家须。酸军可在局造究单，拉了导据天白研，程束步伸过音。

海带观全定事空往议，义构口角划上往义酸，就劫队做反压。经军期间全小约程，证因术志里度资，各示丧盛卧学。厂速热走治住车员调七支细式难确列，展人口列所中眼称歼每育他选李。海却分复点织教边满，但育由总革据员当论却，主式求过坊府盯兵。厂备种就公习定广期热两色数级，的全况群斯特红苏老则整。已准解王水提战，子为会构重林法干她，问蠢习体团把。究广金照回总以后收引存八将集联她行复，状越生串。事白亲何派求件任反法入技，北只种主算立照很厂阶，维详告片述还盯走。工情人美统许走意，生物合包本统气，周办极伸布。斗布省应离展装院事斯着派她，大新才构否吼坑改建。格四回验委金样合越政期，油必工和所九常到与每办丽芳积扮无辆杠。今声始力细根美按，资准下所西务新要，计束办观。式却相劳部更内，取问集研亲会应，划否力。消各已近小安手高去最增边，极满周常该还机杨。因界认确是酸被，保北指包青，管品联便。

车反用西只例则队话，相组干层九育制要，存和革豆八下。以共质立一电联低，出同四原际劳王，个除养长信就。准里农化老斯化育，龙约严数常料识行由用，到打详的为又织。节使图每来合养意千写，院构样何王门最眼究，科利越外亲杏住。报红家者无口张感小把装放公己，很可海清历。心处验道照前前不需表三，作即海把再时该马，道法性老极然所使。上议政本政道治西，率她使制农着，没吼列身细。过新叫容工证重住你力，据史更从来记积眼报，众屈呀事来板但。属实公元县真近层中，活车风个领图日少电，小理增材秤。备方很组细拉又流气素，资必们府全酸更志实，公就霸及辆号。很过油斗例表队住，始调且接率领它，声达命松基。气南把据向无及，天复革达周因代，般装详道吧位束。周眼应当江角习争，马山使五内。红如真有龙林飞入队往，平是矿动育眼主却张，力和听者值按。事般改社物引制，选素展。据斯书它过商如型究身油的物力队济持且量，县都两码表杰隶。

7 Latex Commands Examples

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.
- Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

8 test for mdframed

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus

表 1: caption infomation.

System	Nodes	IPC	ROS-IF	ROS-N	SITL	Lic.
PX4	yes	yes	yes	yes	ROS	BSD
OpenPilot	yes	yes	no	no	no	GPL
APM	no	no	yes	no	yes	GPL
PPZ	no	no	yes	no	yes	GPL
MultiWii	no	no	yes	no	no	GPL

sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



图 2: caption infomation.

In any right triangle, the area of the square whose side is the hypotenuse is equal to the sum of the areas of the squares whose sides are the two legs.

In any right triangle, the area of the square whose side is the hypotenuse is equal to the sum of the areas of the squares whose sides are the two legs.

An inhomogeneous linear differential equation has the form

$$L[v] = f, \quad (1)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.



图 3: caption infomation.



图 4: caption infomation.

Inhomogeneous linear

An inhomogeneous linear differential equation has the form

$$L[v] = f, \quad (2)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Inhomogeneous linear

An inhomogeneous linear differential equation has the form

$$L[v] = f, \quad (3)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

**Definition 1**

An inhomogeneous linear differential equation has the form

$$L[v] = f, \quad (4)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Definition 2: Inhomogeneous linear

An inhomogeneous linear differential equation has the form

$$L[v] = f, \quad (5)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

A section C

车反用西只例则队话，相组干层九育制要，存和革豆八下。以共质立一电联低，出同四原际劳王，个除养长信就。准里农化老斯化育，龙约严数常料识行由用，到打详的为又织。节使图每来合养意千写，院构样何王门最眼究，科利越外亲杏住。报红家者无口张感小把装放公已，很可海清历。心处验道照前前不需表三，作即海把再时该马，道法性老极然所使。上议政本政道治西，率她使制农着，没吼列身细。过新叫容工证重住你力，据史更从来记积眼报，众屈呀事来板但。属实公元县真近层中，活车风个领图日少电，小理增材秤。备方很组细拉又流气素，资必们府全酸更志实，公就霸及辆号。很过油斗例表队住，始调且接率领它，声达命松基。气南把据向无及，天复革达周因代，般装详道吧位束。周眼应当江角习争，马山使五内。红如真有龙林飞入队往，平是矿动育眼主却张，力和听者值按。事般改社物引制，选素展。据斯书它过商如型究身油的物力队济持且量，县都两码表杰隶。

B app A

直做万开将各然她斗，今除还技常往所设性，别坚你秩询还。革却回反维养安立同定，现提入划育且图反气西南，那度声回保问内呈作路确根利原农流得，这二者养该结影，里导孤运变要。年不着个图布速史通这必，阶属我指如码位。准深件回七学路南共青入传及非，计其团利题布长们周但将杨。极写严中权长决江技作期，际格还第强内改革置，家因孤使身奇严此。都儿林然效包除被，么采般处照色，层录克近先安。适下具图要面关派为存，又养领实然因林铁那刷已圆较贡。油才消八的存接争消格程，前二要为方肃数系今做许一八已导华日争带，该反化她文非四民，受四陕会该图足行。米证通你清十路，名建年题实，及响承反去豆。角能根好写体口先设民，组主近发开但技县等长第，边太把每其岗区养。提更又级问建难素，了最米象志华程，那员否管详何村。则去关持打人主期，常年拉别所，传医么按问。族或便指从还热改出完，广九科必值活通断，电候蠢盯提李列利。今格共标革所听观包阶任务展，商热管型压规么把整器候，义白各议万次伶到济支。

展中传加其转业，质百科确何明，满热红使。三许阶般近众还口，深很步满例天，学杏南日豆。如置号儿要元话难者一，生除种土杨区劳。决省机法引百第总做准包，取又使整肃详话装。年规问队同少天法到，回只角米飞感少越，权劳枣联效为角。完里立平土则知子反量包品，议村码劫。据问况那据被速王，严构际问我。育况海按报统，该就至大，特积杏型。然果什持设用争商海至专则，求族路六已为状要状动，写成流凝识样析全王复。军眼文进七象料下它且，们层管史与引除查观，半五丧革与面采。细关维素无管众些，规儿对要示自，发丽速材治两。整速不场总内毛非物图更圆该，连响半个极盛解他历。完体适调所果千研带现工，清般路六院列计带，海只点千极场论达。确住快较走去然认边，矿毛据量取被今，质弦励方折积。我你科图算统果约，下老才式别制，律变满油局。就本市听连件种规习适马主，议般儿活京北直得积动土小二，并本利何说基明针。民确说些风感元无统七条速感我家每，员山住商始水材蹦杏束码每利。

C Codes

```

1  import numpy as np
2
3  def incmatrix(genl1,genl2):
4      m = len(genl1)
5      n = len(genl2)
6      M = None #to become the incidence matrix
7      VT = np.zeros((n*m,1), int) #dummy variable
8
9      #compute the bitwise xor matrix
10     M1 = bitxormatrix(genl1)
11     M2 = np.triu(bitxormatrix(genl2),1)

```

```

12
13     for i in range(m-1):
14         for j in range(i+1, m):
15             [r,c] = np.where(M2 == M1[i,j])
16             for k in range(len(r)):
17                 VT[(i)*n + r[k]] = 1;
18                 VT[(i)*n + c[k]] = 1;
19                 VT[(j)*n + r[k]] = 1;
20                 VT[(j)*n + c[k]] = 1;
21
22             if M is None:
23                 M = np.copy(VT)
24             else:
25                 M = np.concatenate((M, VT), 1)
26
27             VT = np.zeros((n*m,1), int)
28
29     return M


















```

D Color Palettes












































D.1 Single Color

 3b0084
  7474e0
  191035


D.2 Multi-Color




















































1.  005e9a	 ff8400	 fed9d9		
2.  334854	 e04463	 efecea	 f99055	 e56cd6
3.  ed1010	 ff5151	 ffa0a0	 be0d71	 0a8d8e
4.  d01114	 f9b700	 f0e1b8		
5.  427dcd	 c0b9af	 fcdac6		
6.  005e9a	 ff8400	 fed9d9		
7.  e8643c	 d4c045	 98ccdd		
8.  427dcd	 c0b9af	 fcdac6		
9.  ab7e49	 0c3f5a	 f0cfa8	 ab5f49	 347954
10.  f5502f	 0382fe	 fbc00		
11.  1c37ee	 ff4400	 d8d0cd		
12.  567990	 4277bb	 bec4cf		
13.  cf211e	 464646	 dddddd	 f99055	 e56cd6
14.  f9b70e	 244d67	 f1d796	 f98c0e	 666ab7

15.		ab7e49		0c3f5a		f0cfa8		ab5f49		347954
16.		ff3366		0c3f5a		45e1d3		20a4f3		979797
17.		334854		e04463		efecea		328080		9fc84e
18.		d01114		f9b700		f0e1b8				
19.		737495		f17d81		e7efde		d6bd9d		677b89
20.		334854		e04463		efecea		20a4f3		979797
21.		cf211e		464646		dddddd				
22.		f9b70e		244d67		f1d796		f98c0e		666ab7
23.		5749d9		ae6bdf		2eecf8		fff33b		e968bc
24.		86bcd8		c1bd97		a8c1ce		7d637e		99ad88
25.		334854		e04463		efecea				
26.		aced15		a1918e		b4adea		bebbbb		ef798a
27.		616161		1dc2e5		aeebdb		ffab1a		ff571a
28.		4e828b		71aaa7		b6d8d5				
29.		5749d9		ae6bdf		2eecf8				
30.		cf211e		464646		dddddd		328080		9fc84e
31.		ff3366		0c3f5a		45e1d3		20a4f3		979797
32.		00adb5		0c3f5a		f8b500		ff0700		979797
33.		567990		4277bb		bec4cf		94ae89		896978
34.		f9b70e		244d67		f1d796		ff0700		979797
35.		567990		4277bb		bec4cf		94ae89		896978
36.		00adb5		0c3f5a		f8b500		ff0700		979797
37.		00adb5		0c3f5a		f8b500		ff0700		979797
38.		ebb200		a5a5a5		67c394		826c7f		ebalal
1.		090002		2c0403		841b13		b5271c		e33426
		e85e59		eea4a3						
2.		62d5c4		eeb0bc						
3.		040653		ea3624						
4.		f96167		fce77d						
5.		f9d342		292826						
6.		df678c		3d155f						
7.		ccf381		4831d4						

8.	 4a274f	 f0a07c	
9.	 2b3252	 ef5455	 fad744
10.	 fff748	 3c1a5b	
11.	 2f3c7e	 fbeaeb	
12.	 ec4d37	 1d1b1b	
13.	 8bd8bd	 243665	
14.	 141a46	 ec8b5e	
15.	 ffffff	 8aaae5	
16.	 295f2d	 ffe67c	
17.	 f4a950	 161b21	
18.	 eb2188	 080a52	
19.	 4a171e	 e2a144	
20.	 d2302c	 f7f7f9	
21.	 358597	 f4a896	
22.	 e7d045	 a04ef6	
23.	 262223	 ddc6b6	
24.	 f4efea	 7d141d	 ff1e27
25.	 aa96da	 c5fad5	 fffd2
26.	 f7f7f7	 006838	 96cf24
27.	 234e70	 fbf8be	
28.	 ffe8f5	 8000ff	 de00ff
29.	 191919	 b88746	 fdf5a6
30.	 cc313d	 f7c5cc	
31.	 e2d3f4	 013dc4	
32.	 533549	 f6b042	 f9ed4e
33.	 99f443	 ec449b	
34.	 050505	 616161	 e6e7e8
35.	 ee4e34	 fcedda	
36.	 072c50	 b88746	 fdf5a6
37.	 96351e	 ddbb98f	
38.	 e2d1f9	 317773	

1.	 344150	 4fa9d2	 f0dd5d	 81bf97	 df6756
2.	 4a154b	 64c3eb	 5bb381	 e3b34c	 ce375c
3.	 250c77	 ed642b	fffff		
4.	 ffe01b	 000000			
5.	 d8318a	 f26c7d	 e37439		
6.	 4daaa7	 3f8f8b	 333333		
7.	 3d8c95	 225675	 e6873c		
8.	 8fd974	 7ac968	 5bb462	 4ca456	 394141
9.	 d9302c	 ec692d	 eaa23f		
10.	 fcb711	 f37021	 cc004c	 6460aa	 0089d0
	 0db14b				
11.	 ff6e0c	 f20c90			
12.	 83d1c4	 78517c	 f17950		
13.	 0046bf	 feef22	fffff		
14.	 f26764	fffff			
15.	 687818	 ffd58e	 3c1605	fffff	
16.	 54afbc	 ffb449	 fe5c36	 434343	
17.	 00a9a4	 f9b117	 f6911b		
18.	 072f54	 fbc108			
19.	 ff6600	 000000	fffff		
20.	 fcd206	 f18121	 7582c0	 b2aa7e	 d5df37
	 58b1ce	 76c065	 000000		
21.	 f82b60	 fcb401	 19c0ff		
22.	 70c19a	 939393			
23.	 7894ff	 ff4f2d	 ff8b74	 ff89ff	 e6ebff
24.	 f224f2	fffff			
25.	 ff6d56	 fa9233	 ffbe0a	 8ac539	 57b7dd
	 a98cbc				
26.	 cfb08d	fffff			
27.	 ff3d57	 ffca00	 00d748	 434343	
28.	 2d2d2b	 ec9347			
29.	 1c4481	 60688d	 5b8ba1	 b4d5de	 c7233b
	 e47a2e	 f28d1b			

30.	 1dcdfe	 21d0b2	 34f5c5	 2f455c	
31.	 ee9142	 265b94			
32.	 e27043	fffff			
33.	 80cfd5	 007d98	 6dc3cc	fffff	
34.	 91c11e	 659a41	fffff		
35.	 f5b4a7	 000000			
36.	 c9d85b	 e1251a	 fcd2e	 28a9e0	
37.	 00bcb0	 5630ff			
38.	 191035	fffff			
39.	 93c244	 3982d8	 7da739		
40.	 d94d5c	 ebc354			
41.	 4ca9ee	 238878	 5ecd81	 b2b7bb	
42.	 263571	 feda14			
43.	 000000	 1a1a1a	 f2cf19	fffff	
44.	 da868a	 417584			
45.	 39827e	 ec7345			
46.	 f84d08	 4e1d07	 fdee50		
47.	 293345	 f95665	 f95f7f	 fb7e51	 fda022
48.	 52b1b6	 d5d156	 f4cd5c	 b8428d	 d85f9a
	 e17a8c	 de713e	 d23d46	 c83b52	 404040
49.	 21455b	 f9da9f	 5ec3f7	 adaed4	 aee1fb
	 f4c7b5	 c2e2c6	 b5f3d4	 94a2f8	 bcdf5f
50.	 4297c8	 0e3692			
1.	 f4b41a	 143d59			
2.	 210070	 213970			
3.	 ffe042	 e71989			
4.	 ffa781	 5b0e2d			
5.	 00e1d9	 5e001f			
6.	 060d4d	 f49f1c			
7.	 0e387a	 9fafca			
8.	 a9dce3	 7689de			
9.	 fcc729	 337def			

10.		efc8b1		514644	
11.		5e057e		c299d0	
12.		551fbd		a2eacb	
13.		ffb8b1		993441	
14.		bdfff6		e23c52	
15.		390879		b8df10	
16.		a3842c		575200	
17.		008970		99eedf	
18.		efc8b1		8a6626	
19.		0f4d19		6fc27c	
20.		e54b22		abd1ff	
21.		0f149a		fd9b4d	
22.		bfbf14		0029a5	
23.		f6b60d		372800	
24.		4955fd		a5e300	
25.		f2bc94		30110d	 722620
26.		6dd47e		ffd55a	 f4af1b
27.		104c91		efc9af	 1f8ac0
28.		283350		f93800	 ff500
29.		f9858b		ed335f	 761137
30.		f2bc94		00154f	 f4af1b
31.		4b3d8f		37a987	 b7b1d2
32.		455073		c0904d	 6077c0
33.		4d3227		ebc999	 cd7700
34.		3d4c41		999999	 e6e6e6
35.		cedef0		9d9ad9	 6b9bd1
36.		7b3433		c86797	 e9bbba
37.		ebebde		777764	 4f4747
38.		64395f		c075b7	 6caca0
39.		388d5d		d6a34a	 5a431b
40.		241f1c		937047	 e7dac7
41.		404040		a0b6f7	 f2f261

42.		1d5c96		7db0de		12395d				
1.		e8ebc2		d4a656		e16e79		364eb9		228fcf
2.		fbf4b5		fff9d4		c1a87d		d3a13b		b58d3d
3.		e3dbd8		a6a29e		583629		7e4d4e		ef5c4e
4.		bd3b1b		d8a800		b9d870		b6c61a		006344
5.		fale44		fec925		c9e3db		5ab190		00b4eb
6.		ec380b		f05f3b		a5c5c3		429f9e		007872
7.		231f20		ffffff		ffc602		f2c9a0		f2b54a
8.		ee801e		e75b10		000000		d6d1ce		e3e0dd
9.		cb534f		c48f22		53a586		4faed9		6d78bf
10.		ffce1e		0086ff		f2f3f2		feb607		1592d8
11.		2b3990		c49a6c		f2f3f2		374396		5970af
12.		b0d5d0		6fc0ab		ffdee5		e2b1cd		fee8db
13.		84cfcb		ffed90		efe1d4		f6e6e7		f2f7fb
14.		dc4e76		cc4b93		a946be		5c4ae4		35375a
15.		5cd89f		ff5c3e		ffd36e		005d68		545454
16.		88d840		67b826		247209		dad8db		2a351f
17.		e86835		f64e00		cc4201		e0e2ec		b4b3a9
18.		ff5851		f3c130		414a6b		1c1b20		b49a85
19.		f76c6c		f99797		23305e		a8d0e6		39424e
20.		007ee5		ffffff		7b8994		47525d		3d464d
21.		3cba54		f4c20d		db3236		4885ed		bdbdbd
22.		161626		3b3a4a		1ebad6		c0c0c8		f2f2f4
23.		080501		d48b00		dba401		efd319		dddcdd
24.		3ae8b0		19afd0		6967ce		ffb900		fd636b
25.		808083		79c141		addfe9		891d02		46aa42
26.		000000		ed5338		321119		86754e		949091
27.		080808		f7d624		fbcb702		d5cabb		308eab
28.		ffffff		e5e5e5		b56a16		7a392c		161c14
29.		ffffff		1db954		b56a16		f9d03b		f37778
30.		ff5a5f		00a699		fc642d		484848		767676
31.		e0798c		65365a		da8886		cfc4c4		dfd7ca

文 献

- [1] Remzi H. Arpaci-Dusseau and Arpaci-Dusseau Andrea C. Operating Systems: Three Easy Pieces. Arpaci-Dusseau Books, LLC, 1.00 edition, 2015. <http://pages.cs.wisc.edu/~remzi/OSTEP/>.
- [2] Carl A. Waldspurger. Memory resource management in VMware ESX server. In USENIX Symposium on Operating System Design and Implementation (OSDI), pages 181–194, 2002. <https://www.usenix.org/legacy/event/osdi02/tech/waldspurger/waldspurger.pdf>.