

A4M35OSP

Open source programming

Small fixes in image viewer Mcomix.

2013.03.14

Gologuzov Valentin

Mcomix

<http://sourceforge.net/p/mcomix/wiki/Home/>

Summary

MComix is an user-friendly, customizable image viewer.

It is specifically designed to handle comic books, but also serves as a generic viewer.

It reads images in ZIP, RAR, 7Zip, LHA or tar/gz/bz2 archives as well as plain image files.

MComix is a fork of the Comix project, and aims to add bug fixes and stability improvements after Comix development came to a halt in late 2009.

Sources:

Main: <svn://svn.code.sf.net/p/mcomix/code/>

Github mirror: <https://github.com/Oddegamra/mcomix>

Bugtracker:

http://sourceforge.net/p/mcomix/_list/tickets - main communication place

Bug #39: Double page mode:

Optionally compute shrink ratio separately. Currently mcomix will shrink both pages by [or to] the same percentage as the larger one. So in case when two consequential images have different size, one of them zoomed to wrong size.

Solution steps:

- Scale two images to the same height
- Find aspect ratio of two combined image → find virtual rectangle to place both images
- Scale virtual rectangle to visible area to get *scaled height*
- Scale both images limiting only *scaled height*

SHERLOCK HOLMES
SHERLOCK HOLMES in the
HOLMES FINAL
HOLMES CURTAIN

THESE WILL BE A SHORT DELAY, LADIES AND GENTLEMEN, SINCE CARINI IS INDISPOSED.

YOU HAVE TO WAIT TO MEET YOUR GREAT CARINI! HE, HOLMES! MAYBE YOU'LL BE CALLED OFF ALTOGETHER.

DON'T BE OVERWITTED, SERGEANT. I'M SORRY YOU DON'T LIKE FIDDLE AS YOU SAY. THEY SAY AS MY ESCORT, YOU'LL HAVE TO LIKE THIS ONE.

LAST PERFORMANCE OF THE GREAT Carini

I BUY THE VIOLIN AS A HOBBY, SO TO SPEAK-- AND I REQUIRE YOU THAT CARINI IS ONE OF THE GREATEST WHO EVER PLAYED!

AREN'T YOU SERGEANT FLAHERTY'S COME BACKSTAGE PLEASE? THERE'S SOMETHING WROUGHT WITH SENIOR CARINI!

NO PROBLEM AFTER ALL, COME ON! THE HOUSE IS SUPPOSED TO STAY WITH YOU, THE LIEUTENANT SNEY!

YOU MUST HURRY! SHERLOCK HOLMES LOOKED FORWARD TO MEETING THE GREAT CARINI IN HER LAST PERFORMANCE... BUT THE MAESTRO'S VERY GENUINE PROVED TO BE THE WEAPON THAT BANG DOWN THE CURTAIN EVEN BEFORE THE RENOWNED VIOLINIST TOOK THE STAGE...

SHERLOCK HOLMES

A DOCTOR AND AMBULANCE ARE ON THE WAY, SERGEANT! IS THE GENTLEMAN WITH YOU IN THE POLICE DEPARTMENT?

I WISH HE WAS! THIS IS SHERLOCK HOLMES, THE GREAT ENGLISH DETECTIVE!

THANK YOU, FLAHERTY! NOW, LET US LOOK AT CARINI!

HE'S DEAD, I THINK! OBVIOUSLY A SUICIDE! SEEMED TO HAVE USED GAS!

CURIOUS...IT SMELLS FAMILIAR...

WHATEVER HE USED, IT SMELLS BAD!

THIS SEEMS TO HAVE CONTAINED THE SUBSTANCE THAT CAUSED CARINI'S DEATH...A VERY THIN GLASS VIAL!

SEEMS TO BE SOME FORM OF CYANIDE GAS! IT'S WELL DISSIPATED SINCE THE ROOM HAS BEEN OPENED!

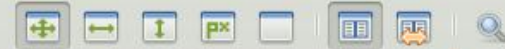
DISSIPATED OR NOT, GET YOUR NOSE AWAY FROM THAT, I'D BE POUNDING A BEAT IF ANYTHING HAPPENED TO YOU!

DON'T PLAY DETECTIVE ON THIS CASE! CARINI TOOK HIS OWN LIFE, HOLMES!

WHY ARE YOU SO CERTAIN?

WHAT ELSE COULD IT BE? THERE ARE NO WINDOWS AND CARINI HAD THE DOOR LOCKED FROM THE INSIDE! THE KEY IS STILL IN THE LOCK!

I STILL THINK IT WAS MURDER, SERGEANT!



SHERLOCK HOLMES

SHERLOCK HOLMES

in the
FINAL CURTAIN

THERE WILL BE A SHORT DELAY, LADIES AND GENTLEMEN. SENIOR CARINI IS INDISPOSED.

YOU HAVE TO WAIT TO HEAR YOUR GREAT CARINI, MR. HOLMES. MAYBE IT'LL BE CRIED OFF Altogether.

DON'T BE OPTIMISTIC, SERGEANT. I'M SORRY YOU DON'T LIKE 'RIDDLERS' AS YOU CALL THEM, BUT AS MY ESCORT, YOU'LL HAVE TO LIKE THIS ONE!

LAST PERFORM THE GREAT *Carini*

I PLAY THE VIOLIN AS A HOBBY. BIG TO SPEAK -- AND I ASSURE YOU THAT CARINI IS ONE OF THE GREATEST WHO EVER PLAYED.

AREN'T YOU SERGEANT FLAHERTY? COME BACKSTAGE PLEASE. THERE'S SOMETHING WRONG WITH SENIOR CARINI.

NO FOOLER AFTER ALL, COME ON! MR. HOLMES, I'M DISPOSED TO STAY WITH YOU, THE LIEUTENANT SAID!

YOUNGST MYSELF, SHERLOCK HOLMES LOOKED FORWARD TO HEARING THE GREAT CARINI IN HIS LAST PERFORMANCE... BUT THE MAESTRO'S VERY GENIUS PROVED TO BE THE WEAPON THAT RANG DOWN THE CURTAIN. EVEN BEFORE THE RENOWNED MUSICIAN TOOK THE STAGE...

SHERLOCK HOLMES

A DOCTOR AND AMBULANCE ARE ON THE WAY, SERGEANT! IS THE GENTLEMAN WITH YOU IN THE POLICE DEPARTMENT?

I WISH HE WAS! THIS IS SHERLOCK HOLMES, THE GREAT ENGLISH DETECTIVE!

THANK YOU, NOW, LET US LOOK AT CARINI!

HE'S DEAD, I THINK. OBVIOUSLY A SUICIDE! SEEMED TO HAVE USED GAS!

CURIOUS... IT SMELLS FAMILIAR...

WHATEVER HE USED, IT SMELLS BAD!

THIS SEEMS TO HAVE CONTAINED THE SUBSTANCE THAT CAUSED CARINI'S DEATH... A VERY THIN GLASS VIAL!

SEEMS TO BE SOME FORM OF CYANIDE GAS! IT'S WELL DISSIPATED OR NOT, GET YOUR NOSE AWAY FROM THAT, I'D BE POUNDING A BEAT IF ANYTHING HAPPENED TO YOU!

DISSIPATED OR NOT, GET YOUR NOSE AWAY FROM THAT, I'D BE POUNDING A BEAT IF ANYTHING HAPPENED TO YOU!

DON'T PLAY DETECTIVE ON THIS CASE, CARINI TOOK HIS OWN LIFE, HOLMES!

WHY ARE YOU SO CERTAIN?

WHAT ELSE COULD IT BE? THERE ARE NO WINDOWS AND CARINI HAD THE DOOR LOCKED FROM THE INSIDE. THE KEY IS STILL IN THE LOCK!

I STILL THINK IT WAS MURDER, SERGEANT!

Feature request #39: Configurable shortcuts

Currently shortcuts can be changed in configuration file or with very unintuitive way. Dedicated dialog window or something similar will be much better.

Main problem: Mcomix allows multiply shortcuts for one action.

Solution steps:

- Study project much deeper and study GTK2\PyGtk shortcuts
- Remove all gtk keybindings
- Refactor custom keybindings
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Appearance

Behaviour

Display

Advanced

Shortcuts



Name	Key 1	Key 2
> Autorotate by height		
> Autorotate by width		
> External commands		
> File		
▼ Navigation		
- Back ten pages	<Shift>Page_Up	<Shift>KP_Page_Up
- First page	Home	
- Forward ten pages	<Shift>Page_Down	<Shift>KP_Page_Down
- Go to page	g	
- Last page	End	
- Next archive	n	
- Next directory	<Primary>n	
- Next page	Page_Down	KP_Page_Down
- Next page (dynamic)	<Alt>Right	
- Previous archive	<Primary><Shift>p	
- Previous directory	<Primary>p	
- Previous page	Page_Up	KP_Page_Up
- Previous page (dynamic)	<Alt>Left	
> Scroll		
> Transformation		
> User interface		

Close

Clear dialog choices

changes:

MComix 1.01

...

- Keyboard shortcuts can now be edited from MComix' preference dialog in a new tab "Shortcuts". (by Valentin Gologuzov)

MComix 1.00

...

- The two images in double-page mode will now scale separately again. (by Valentin Gologuzov)

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% git log --author="Valentin" --oneline --shortstat
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dbda3e4 [bug: #40]: Accelerators completely removed from ui.py ...
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3 files changed, 392 insertions(+), 125 deletions(-)

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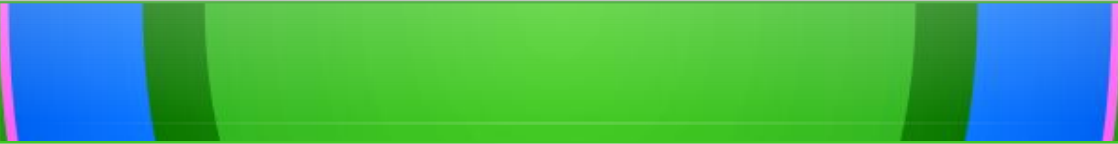
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Experience

- Communicated with maintainer through *sourceforge* bugtracker
- Always got fast and usefull reactions
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Thank you for your attention!

Questions?



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SHERLOCK HOLMES

in the FINAL CURTAIN

THESE WILL BE A FEW OF THE MEN WHO WERE WITH CARIN. WHOEVER HE USED, IT SHOULD BE FAMILIAR...

YOU WERE TO WAIT TO HEAR YOUR GREAT CASE, WERE YOU NOT? MAYBE IT'LL BE CALLED OFF ALTOGETHER, BUT YOU'LL SEE TO ME THIS ONE.

DON'T BE OPTIMISTIC, SERGEANT. IN SHORT, YOU DON'T TAKE MY CASE AS AN ESCORT ARE TO ME THIS ONE.

LAST PERFORMANCE THE GREAT Carin

I PLAY THE VIOLIN AS A HOBBY. TO SPEAK TRUTH, I RESOLVE YOU THAT CARIN IS ONE OF THE GREATEST WHO EVER PLAYED!

THE GREAT Carin

WELL, YOU SERGEANT, NO FOLLOWS AFTER ALL BACKSTAGE, I COME PLEASE. THERE'S PROBLEMS TO BE WITH BEING WITH SERGEANT.

NO FOLLOWS AFTER ALL BACKSTAGE, I COME PLEASE. THERE'S PROBLEMS TO BE WITH BEING WITH SERGEANT.

YOU'VE YOURSELF, SHERLOCK HOLMES LOOKED FORWARD TO HEARING THE GREAT CARIN IN HIS LAST PERFORMANCE... BUT THE MASTER'S VERY SERIOUS PROVED TO BE THE REASON THAT BANG DOWN THE CURTAIN. EVEN BEFORE THE REMOVED MUSICIAN TOOK THE STAGE...

SHERLOCK HOLMES

A DOCTOR AND A NURSE ARE ON THE WAY, SERGEANT. IS THE GENTLEMAN WITH YOU IN THE POLICE DEPARTMENT, WENT?

I WISH HE WAS, THIS IS SHERLOCK HOLMES, THE GREAT DETECTIVE!

THANK YOU, PLEASE! NOW, LET US LOOK AT CARIN!

HE'S DEAD, I THINK! OBVIOUSLY A SUICIDE! SEEMED TO HAVE USED GAS!

CURIOUS... IT SHOULD BE FAMILIAR...

WHATEVER HE USED, IT SHOULD BE FAMILIAR...

THIS SEEMS TO HAVE CONTAINED THE SUBSTANCE THAT CAUSED CARIN'S DEATH... A VERY HIGH GLASS WALL!

SEEMS TO BE SOME FORM OF GAS, BUT IT'S BEEN DISSIPATED. THAT'S WHY I'M HOLDING A BEAT IF ANYTHING HAPPENS TO YOU!

DON'T PLAY DETECTIVE ON THIS CASE, CARIN! TAKE HIS OWN LIFE, HOLMES!

WHAT ELSE COULD IT BE? THESE ARE NO WINDOWS AND CARIN HAD THE DOOR LOCKED FROM THE INSIDE. THE KEY IS STILL IN THE LOCK.

I STILL THINK IT WAS ANOTHER SERGEANT.

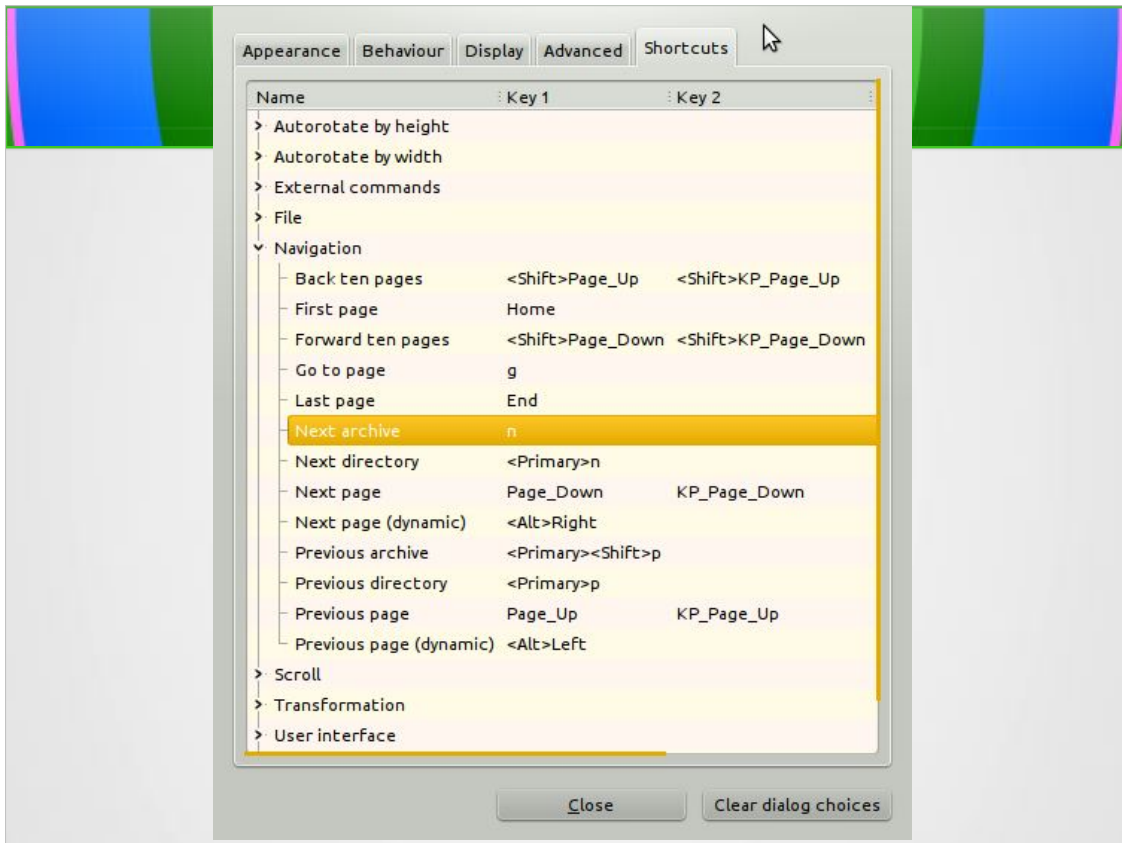
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ChangeLog

changes:

code

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