085c5030-0

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Chapter 1

085c5030-0

1.1 MysticView

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MysticView
RTG datatype picture viewer - dark green release

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```

1.2 introduction

```
  introduction

  MysticView is a RTG datatype picture viewer.
  it was mainly designed for

  - usability
  - display quality
  - configurability
  - flexibility and system integration

  MysticView is a real Amiga viewer. it is not limited to
  graphics card displays, but also runs very well on HAM and
  any other native Amiga screens.

  MysticView makes an end to all these annoying options
  like PATCHTHIS and DISABLETHAT. MysticView is an RTG viewer.
  simply watch pictures without a fuss.
```

see also
  features
  insufficiencies

1.3 features

features

– independent from display hardware:
  displays every picture on any screen mode, resolution and
  color depth, including hicolor, truecolor and HAM.

– scaling and aspects:
  automatically scales images to the window's dimensions, with
  respect to the aspect ratios of both the screen and the
  picture.

– display quality:
  features highly elaborated color quantization and rendering.
  automatically uses dithering when needed. note: dithered HAM8
  easily outperforms the display quality of hicolor.

– user friendly:
  has a nice button bar, features intelligent selection of
  screenmodes, displaymodes, windowsizes and –positions, won't
  annoy you with changing screens and windows.

– integrated:
  MysticView is a commodity, and it's fully integrated to your
  workbench. simply drag'n'drop pictures, directories,
  configurations and lists to its window or appicon, or launch
  configurations and lists with a double-click.

– list management:
  MysticView has got a few, but yet powerful functions to
  manage picture lists.

– asynchronous and modular:
  uses massive internal multitasking for loading, rendering,
  scanning, interaction, etc. get the full benefit from the
  best 68k and PPC datatypes around.

– picture caching:
  uses intelligent picture preloading and caching. watch entire
  slideshows from memory.

– highly configurable:
  has got innumerous configuration details to suit your personal
  taste.

see also
  insufficiencies

1.4   insufficiencies

```
insufficiencies

- MysticView is fully dependent from datatypes.
  there are no custom loaders implemented.

- MysticView demands a lot of memory and cpu power.
  it is best suited for well-equipped systems.

- MysticView does not feature progressive loading.

- MysticView is not intended to act as an image converter,
  effect processor, and alike. it just displays pictures.

- MysticView is not localized.

- MysticView has got no ARexx port.

see also
  requirements
  known problems
  getting datatypes
```

1.5   requirements

```
requirements

minimum:

- 68020
- os3.0 (v39)
- datatypes.library v39

minimum recommended:

- 68040/25
- 16mb fast memory
- datatypes.library v43

supported:

- os3.1 (v40)
- higher processors
- cybergraphics, picasso96
- newicon.library v40

see also
  getting datatypes
```

1.6   keyboard usage

keyboard usage

most keyboard shortcuts are documented in MysticView's
menus.

additional keyboard controls:

– ESCAPE
  close window and leave. by default, MysticView is quit.
  alternatively use the tooltype HIDEONESCAPE for
  MysticView to go to hidden state.

– TAB
  zip/unzip MysticView's window. the 'normal' state
  is defined throughout the WINSIZEMODE setting
  ('Small Window', 'Large Window', etc.) in the
  Settings/Window menu. the 'zipped' state is always
  equivalent to 'Visibe Screensize'
  (WINSIZEMODE=VISIBLE).

– SPACE
  additional keyboard function for advancing in a list.
  if a SLIDESHOW was running, it will be turned off.
  if a slideshow was not running, it will be enabled,
  plus MysticView immediateley advances to the next
  picture (without waiting for the SLIDEDELAY timeout).

– 7
  additional keyboard equivalent for "Open Pictures...",
  available on the numeric keypad.

– 9
  additional keyboard shortcut for toggling the SLIDESHOW
  mode, available on the numeric keypad.

– 0
  additional keyboard shortcut for toggling the infotext
  (see PICINFO), available on the numeric keypad.

– cursor keys (equivalent to 4, 2, 6, 8)
  move the picture cursor (see SHOWCURSOR setting).

  qualifiers for moving the picture cursor:

  no qualifier: step rate is 1%
  SHIFT: step rate is 10%
  CONTROL: step rate is 100%

see also
  menu reference
  configuration

1.7   configuration

configuration

most of the following keywords are available throughout tooltypes,
shell arguments, and in preset files. there are a few exceptions,
which will be listed first:

commandline-only arguments:

    FILENAME   files, paths, patterns, volumes...
    DEFAULT   use hardcoded defaults
    LISTFILE   initial picturelist file
    PRESETFILE   initial startup configuration
    APPEND   append pictures to a running instance

general arguments:

    ANIMPIC   custom animation picture
    APPENDICONS   append pictures via drag'n'drop
    ASYNCSCANNING   show pictures while scanning
    AUTOCLEAR   clear picturelist after last picture
    AUTOCROP   automatically remove blank borders
    AUTODISPLAYMODE   let MysticView guess the displaymode
    AUTOHIDE   hide after last picture
    AUTOQUIT   quit after last picture
    AUTOSTOP   stop slideshow after last picture
    BACKDROP   borderless backdrop window
    BGCOLOR   window's background color
    BUFFERPERCENT   amount of memory for picture caching
    BUTTONPIC   custom button picture
    CREATETHUMBNAILS   auto newicon creation feature
    CONFIRM   suppress "are you sure" requesters
    CX_POPKEY   hotkey command sequence
    CX_PRIORITY   hotkey command priority
    CX_POPUP   open in iconified state?
    DEFAULTTOOL   default tool for thumbnail icons
    DEPTH   custom screen depth
    DISPLAYMODE   pixel aspects, scaling and more
    DITHERING   enable dithering
    DITHERMODE   Floyd-Steinberg or EDD
    FILTERPICTURES   only pictures in filerequesters
    FONTSPEC   custom font specifier
    HAM   open HAM screen
    HIDEONCLOSE   closebutton hides MysticView
    HIDEONESCAPE   escape key hides MysticView
    ICONIFY   iconify mode
    LMBACTION   left mouse button behavior
    LOOP   loop the picturelist
    MARKCOLOR   configurable highlighting color
    MODEID   screen mode id
    PICFORMAT   format string for PICINFO
    PICINFO   display info textline
    PRECISION   for screen-pen allocation

```
   PREVIEWMODE              realtime update when scaling/scrolling
   PUBSCREEN                public screen to open upon
   RECURSE                  scan subdirectories
   REFRESHMODE              preferrably smart
   REJECTPATTERN            automatically exclude files
   RENDERQUALITY            faster rendering or higher accuracy?
   REQUESTFILE              open filerequester at startup
   RESETDISPLAY             reset display settings between pictures
   REVERSE                  reverse a list's sort direction
   ROTATESTEP               in degrees
   SCREENASPECTX/Y          correct biased screen aspects
   SCROPENMODE              public, custom, or default screen
   SCRWIDTH, SCRHEIGHT      let MysticView choose your screenmode
   SHOWARROWS               tiny arrows on not fully visible pictures
   SHOWBUTTONS              show GUI buttons
   SHOWCURSOR               imaginary image cursor
   SHOWPIP                  PiP dispay feature
   SIMPLESCANNING           quick scanning, no filetype detection
   SLIDEDELAY               delay between pictures
   SLIDESHOW                advance to the next picture automatically
   SMOOTHDISPLAY            interpolate zoom and movements
   SORTMODE                 none, alpha, date
   STARTPIC                 for those who HATE MysticView's logo
   STATICPALETTE            static palette, quicker and dirtier
   TEXTCOLOR                configurable text color
   THUMBCOLORS              number of colors for thumbnails
   THUMBSIZE                size of newicon thumbnails
   WINLEFT, WINTOP          determine fixed window position
   WINOPENMODE              window location mode
   WINSIZEMODE              window size mode
   WINWIDTH, WINHEIGHT      determine fixed window size
   ZOOMSTEP                 relative step rate to zoom in/out
```

in addition to these, there are some 'global' settings,
which are automatically saved in ENV/ENVARC:MysticView/Paths.
these settings are more easily altered throughout MysticView's
menus, but you may also modify these ENV settings directly.

```
   AUTOSAVESETTINGS         automatically save ALL settings at exit
   STARTPATH                current directory for pictures
   PRESETPATH               path to preset files
   LISTPATH                 path to list files
   COPYPATH                 'standard' path for copy/move
   PRESET0...9              predefined f-key configurations
   DESTPATH0...9            predefined paths for copy/move
```

note: all keywords are case-insensitive.

see also
  menu reference
  examples
  DirOpus config

1.8   history

```
  history

* 1.05
    - mysticview is freeware; updated texts and requesters
      accordingly.

  1.04

        - slightly improved efficiency of the scanner
        - added %n placeholder in the PICFORMAT string
          for the picture's file format, as returned by
          the datatype.
        - updated and fixed documentation

  1.03
    - new setting: SIMPLESCANNING. when activated, MysticView will
      add any scanned files to the filelist. no filetype detection
      takes place. later, when a file turns out to be not loadable
      as a picture, it will be silently removed from the list. this
      scanning mode is significantly faster than the default. note:
      this feature is still considered "beta" and only available
      via tooltypes.
    - supplied os3.5-icons in the "goodies" drawer.

  1.02
    - CTRL-F-key now immediately switches to a preset, without opening
      a filerequester first.

  1.01
    - when in fullscreen mode and with HIDEONCLOSE enabled, MysticView
      quitted when the invisible button in the screen's upper left
      was clicked. fixed.
    - added "Append Drag'n'Drop" option. when enabled, icons/drawers
      dragged onto MysticView's window will be added to the current
      list. tooltype is APPENDICONS.
    - slightly improved the example preset files.


* 1.00
    - version number bumped

  0.99h
    - v1.00 feature freeze.
    - menus are being restructured.
    - fixed a bug in the buffer size calculations which caused
      the background loader to run amok sometimes.
    - mysticview and all its libraries are now using v39 exec
      memory pools again.
    - improved the install script and supplied some configs.
    - neuralnet.library wasn't installed with earlier versions.
      fixed.
    - documentation updated and improved
    - an auto filerequester was opened even with filenames
      passed in the commandline. fixed.
```

- added PICFORMAT setting. it allows to specify a format
  string for the picture info display. currently defined
  are %p – pathname, %f – filename, %w – width, %h – height,
  %d – depth. default "%f – %w$\times$%h$\times$%d".
- fixed APPEND option.
- MysticView and all libraries have been recompiled with
  higher optimization levels
- added a lot of DirectoryOpus configuration hints and
  examples
- when a loaded presetfile contained a new SORTMODE,
  MysticView did not immediately resort the list. fixed.
- added a slightly updated version of MystiCube to the
  distribution
- increased neural network training threshold

0.99g
- fixed a bug in guigfx.library which caused MysticView
  to crash at exit, when the standard C= picture and ILBM
  datatypes were used for loading HAM pictures. thanks to
  Hexaae for the bug reports and debugging assistance.
- the background loader has been rewritten from the
  scratch. the new loader is faster, and memory management
  is more efficient.
- preloading (and caching) of multiple pictures is now
  supported. provided you have enough memory, MysticView
  can keep entire slideshows buffered in memory. Mysticview
  now reacts much better to skipping back and forwards in a
  picture list.
  this redesign also fixes a major bug (enforcer hits
  and crashes, when pictures were deleted from the
  list) and some minor problems.
- added menu item "Scan Asynchronously" (corresponding
  tooltype is ASYNCSCANNING). the behavior of the background
  scanner is no longer dependent from the sortmode.
- MysticView's multitasking is much nicer towards other
  applications now. all time-consuming jobs are running
  at the same priority. the default is 0 (if started from
  the workbench), or the same as of the shell process
  that launched MysticView. the PRIORITY setting has been
  removed. MysticView now works very comortable at high
  system load.
- added GUI buttons for open, previous, next, slideshow,
  looping, etc. tooltype: SHOWBUTTONS. enabled by default.
  you may also use a set of your own buttons via the
  BUTTONPIC tooltype. a tiny animation of MysticView's
  logo has been included, too. the respective tooltype
  is ANIMPIC.
- MysticView now offers to change the filename for already
  existing pictures that are to be copied or moved.
- copying, moving and deleting do no longer work
  asynchronously. MysticView now waits for these operations
  to complete.
- added sort criteria filesize, filedate, combined
  path+filename, and a reverse-sort option.
- the picture-info textline contains more useful
  information, and it updates while scanning and loading.
- added self-starting feature, as known from many text

editors. if another MysticView is running, the commandline
option APPEND passes specified pictures/paths/patterns
to that instance. if no other MysticView is found, a new
instance will be started.
- shareware-nagging has been removed.
- added menu item "Add Pictures..." to the current
  filelist.
- added menu item "Add from List..." to the current
  filelist.
- static-palette rendering gives better results
  (guigfx.library v15.2)
- filerequester simplified: the default filename is now
  set to "#?", so committing "Okay" without selecting
  any files will include the entire directory's contents.
- Added "First" function for skipping back to the
  first picture in a list. Skipping back stops a slideshow.
- fixed a long-standing bug in mysticview.library that
  caused pictures to be rendered incompletely in slideshows.
- the SLIDEDELAY tooltype setting is now measured in
  1:10th of seconds, no longer in seconds.
- added PIP feature. (in this context it has nothing to
  do with graphics card hardware). it's experimental –
  do not use it, it doesn't work very well together with
  opaque window sizing, thanks to these #?%&@! layer
  cliprects.
- the neural network which tries to predict the user's
  desired displaymode has changed. it has got more brains
  now, and it differentiates more picture parameters,
  but it also requires more training. the network is now
  also recalled during window-resizing, thus MysticView
  may immediately switch the displaymode. this makes the AI
  feature a bit more transparent to the user, but also a
  bit more nasty. simply let the menu item 'Options/Learn'
  disabled if you think it's too confusing. recommended
  reading: configuration/AUTODISPLAYMODE
- MysticView's commandline arguments are now sorted
  alphabetically. this might interfere with any particularly
  useful order, but at least you've got the chance to find
  something.
- MysticView will never trash its window borders again, and
  this ugly window-border-refresh-maintenance-signalling-task
  is no longer needed and has been removed.
- added SHOWARROW option. when enabled, MysticView draws
  small arrows at a picture's borders when it is not
  fully visible. enabled by default.
- usability via keyboard has been improved. the space bar
  is now used for 'one-hand' control of slideshows, which
  is 'handy' for wanking over porn slides, for example. most
  important functions are now available on the numeric
  keypad.
- changed qualifiers for scrolling via keyboard. CTRL scrolls
  by 100%, SHIFT by 10%, no qualifier scrolls by 1% per stroke.
- "Reset Display Settings" now reacts instantly, not only
  when a new picture is getting displayed
- MysticView now instantly reacts to changes of the sort mode
  and sorts the picture list while scanning/loading/viewing.
- the option KEEPIMAGE (i.e. keep the current image while

another one is being loaded) is obsolete and has been
removed.
– MysticView now correctly displays loading errors, and
  automatically retries loading after flushing the cache
  when the reason for failure was a lack of memory.
– new default background color.
– HAM artifacts have been reduced to an absolute minimum
  (mysticview.library v4).
– added menu item "Remove". as the name suggests,
  this function simply removes a picture from a list
  (without deleting or moving)
– added menu item "Save List as..." for saving the current
  list of pictures as a listfile.
– lists are identified by a tooltype in their respective
  icon: "MYSTICVIEW_LISTFILE=YES". you can drag'n'drop
  listfiles to MysticView's window or appicon now.
– workbench-integration has been improved even further:
  you can start MysticView by double-clicking
  preset and listfile icons, and even both at the same
  time. (e.g. select a listfile, hold the shift key, and
  doublelick a presetfile – or the other way round.) you
  may also drag'n'drop listfile and preset icons on
  MysticView's window (or appicon) at the same time, or
  mix preset icons with pictures/directories/volumes.
– the displaymodes "keep aspect max", "onepixel" and
  "fit to window" are no longer available in the menus.
  the remaining items have been renamed to
  "scale with aspect" and "display 1:1 pixel" (the last
  one corresponds to the IGNOREASPECT mode).
– the option HIDEWITHPICTURE has been removed. MysticView
  no longer flushes the current (and buffered) pictures
  from memory when it gets iconified. scanning and
  preloading now silently continue in the background.
– added an optional picture filter in filerequesters
  (tooltype: FILTERPICTURES). requested by hexaae.
– requesting the previous picture stops a slideshow.
– added DEFAULTTOOL setting
– the REJECTPATTERN argument is now also used in
  filerequesters, not only applied to the picture scanner.
– added tooltyoe items for a view's text and highlighting
  colors (TEXTCOLOR, MARKCOLOR)
– added display refresh smoothing (SMOOTHDISPLAY). it will
  interpolate modifications on the display (only zooming
  and scrolling. rotating is not supported).
– added tooltypes HIDEONCLOSE and HIDEONESCAPE.
– the memory consumption for opaque-refreshing of
  truecolor pictures on non-truecolor screens has been
  reduced to only 25%, but its short-time peak memory
  consumption is even worse than before.
– the picture cursor no longer trashes the window borders
  when a picture is rotated, nor does it overwrite
  the infotext. the picture cursor is no longer overwritten
  by the rendered picture – it's visible all the time now.
– the cursor was placed incorrectly when the picture was
  rotated and zoomed. fixed.
– some rare visual artifacts have been removed,
  such as background areas using a deallocated pen

- with STARTPIC=none, MysticView did not always update its
  display correctly. fixed.
- the former option PRELOAD is obsolete and has been removed.
  the loader is configured with the new setting BUFFERPERCENT.

* 0.99f
- newicon thumbnail creation did not work properly. fixed.
- Thumbnail AutoUpdate now recognizes changes of the pictures
  themselves, as well as changes of the thumbnail parameters.
- removed redundant modes from the screenmode requester.
- some minor bugfixes.

  0.99e
- the neural network for AUTODISPLAYMODE has been overworked.
- the AUTOSAVESETTINGS setting is no longer saved in the icon,
  it is now part of the global configuration
- MysticView did not read its settings from an icon when it
  was started as an icon's default tool. fixed.
- added AUTOCROP setting

  0.99d
- added AUTODISPLAYMODE and a new menu entry "learn and predict".
  if activated, MysticView uses a small neural network to learn the
  user's desired displaymode for different kinds of pictures. "learn
  and predict" does not care about the rarely used displaymodes
  IGNOREASPECT and FIT. it will only learn from and try to predict
  KEEPASPECT, KEEPASPECT2, and ONEPIXEL.
- added a new icon by M. Grothmann.

  0.99c
- fixed display mode settings in the menus. mutual exclude
  was broken since 0.99b.
- added menu item "rename picture". Renaming in this
  context means moving a picture to any place in the
  filing system. the difference towards "move picture"
  is that the picture is kept in the current picture
  list. requested by G. Hones.

  0.99b
- the commandline arguments were broken as of v0.99. fixed.
- "reset display settings" is now considered when the display
  mode is changed. requested by infinity.
- re-enabled the escape key for quitting. requested by
  P. Habermehl and J. Urbanek
- added PRIORITY setting (normal, nice, low). the priority
  is only considered when mysticview starts.
- the options menu has been completely restructured.
  some settings have been removed from the menu, they are
  only accessible throughout tooltypes now: Hide mode,
  simple/smart refresh, keep image when hidden
- removed every second frame of the supplied animation from
  the archive. it appeared somehow obscene to me to include
  half a megabyte of animation data for silly demonstration
  purposes only.
- by default the system's screen font is used for the
  picture info text.
- added FONTSPEC tooltype for the picture info text.

      syntax: size[,name]. example: FONTSPEC=8,topaz
    - revised the documentation. many details did not reflect
      recent changes.
    - with LMBACTION=NEXT, only mouseclicks that exactly hit the
      picture will actually advance the picture list.
    - slightly modified the supplied example presets.

* 0.99a
    - pictures moved to another directory are now removed from
      the list.
    - the package contained outdated versions of some libraries,
      and the installer did not update them correctly. fixed.
    - the icons in the v0.99 archive still contained the old
      tooltype settings. fixed.

  0.99
    - added configurable left mousebutton action ('drag' or 'next')
    - a default preset path is no longer defined.
    - fixed a bug in the presetfile generation.
    - fixed the startup. MysticView's icon settings were
      read and interpreted twice.

  0.98j
    - renamed NOLOOP to LOOP, NORECURSE to RECURSE, RENDERMEM to
      RENDERQUALITY.
    - all former boolean-type settings are now keyword settings.
      the keywords are "YES" and "NO".
    - removed the DEFICON tooltype.
    - SCROPENMODE "NONE" has been renamed to "DEFAULT".
    - restuctured the menus.
    - configurable paths and presets are now stored in env:/envarc:
      and saved automatically. this greatly enhances comfort and
      usability.
    - file management requesters are no longer opened on the default
      pubscreen, but rather on MysticView's screen.
    - Mysticview now uses the Workbench's SA_Pens when opening a
      new screen
    - added slideshow/no delay option.
    - added RESETDISPLAY setting. if enabled, the zoom/position/rotation
      settings are reset between pictures.
    - the installer no longer overwrites an already existing icon.
    - MysticView is no longer iconified when the close button is clicked
      or Escape is pressed. Iconify has to be invoked seperately.
    - changed some default settings.
    - added auto thumbnailing.
    - removed shareware limitation for thumbnail functions.
    - MysticView now creates icons for its preset files.
    - MysticView can now be started by doubleclicking a preset icon.
    - preset files can be dragged to MysticView's window.

  0.98i
    - fixed mouse movement problem that somtimes occured when MysticView's
      screen was left or re-activated. thanks to persistant nagging
      from Joker. this was a MysticView bug and NOT caused by MCP.
    - fixed asl file requester enforcer hit
    - the same picture is no longer preloaded in the background when
      only one picture is in the queue.

- included some more semaphore protections to the background
  picture handler
- fixed a rejectpattern bug/enforcer hit when no rejectpattern
  was specified
- added menu item "Negative"
- added some busy pointers
- changed some hardcoded defaults and default settings in the
  distribution.
- iconify mode default is now hardcoded to NO.
- a picture is no longer reloaded when "keep image when hidden"
  is selected, slideshow mode is active, only one picture is
  in the queue, and MysticView gets uniconified. the same applies
  if the screen/windowmode is changed ("keep image when hidden"
  is not considered in this case)

0.98h
- you can now completely disable mysticview's logo by setting
  STARTPIC=none. mysticview now starts when a startpic wasn't
  found.
- fixed a tiny memory leak in the settings that could occur with
  some options.
- added THUMBSIZE and THUMBCOLORS.
- improved subtask stability
- added REJECTPATTERN
- the startpic file requester could produce an enforcer hit. fixed.

* 0.98g
- fixed slideshow bug: when only one picture was selected
  and slideshow plus loop mode was activated, the picture
  was reloaded over and over again. reported by Joker.
- minor aspect problems fixed.
- the image aspect is now displayed in the information
  textline.

0.98f
- added JPEG saving. (no options yet. default saving
  quality used).
- fixed commandline options. reported by Kilyman.

0.98e
- added autodither.
- fixed timing problems in slideshow mode.

0.98d
- MysticView now requires mysticview.library.

0.98c
- MysticView has been slightly sped-up on truecolor displays.
- added ZOOMSTEP.
- limited newicon thumbnails to a size of 80x80 pixels and
  64 colors. this will speed up the icon display on your
  Workbench. (this is still no final solution, though.)
- added configurable slots for preset files. they can be
  accessed throughout CTRL F1 ... F10 and configured
  by selecting them from the menu. requested by H. Richter.
- the same scheme now applies to the configurable destination
  paths for copying/moving. keyboard executes, menu selection

```
          configures.
        – slideshows didn't always stop immediately. fixed.
        – implemented SHOWCURSOR.
        – the REQUESTFILE option is now considered after a slideshow
          stopped. requested by P. Habermehl.
        – implemented SHOWCURSOR.
        – finally fixed the publicscreen/customscreen problem. the
          setting SCROPENMODE=CUSTOM/PUBLIC/NONE replaces the former
          tooltype CUSTOMSCREEN.
        – added CX_PRIORITY, CX_POPKEY and CX_POPUP.
          MysticView is now a commodity. ESC to hide, Amiga-Q to quit.
          note: 'hide' keeps the current image – and you keep that in
          mind when you iconify MysticView with a 2880x1440x24 image :)
        – the screen is no longer closed and reopened for the change of
          window settings.
        – fixed a memory allocation bug with the PUBSCREEN setting.
        – many minor changes
        – added AUTOHIDE.
        – the picture aspect is now handled for thumbnails.
        – added pubscreen select and default/public/custom menu items.
        – added appicon
        – added rotation. (preliminary. SHOWCURSOR and grid refresh doesn't
          work corretly with the image being rotated)
        – fixed install script for 030/FPU version. Reported by B. Murray.
        – deleted pictures are now removed from the list and MysticView
          advances to the next picture. requested by P. Dahlberg.
        – added ROTATESTEP
        – added DEFAULTICON
        – added CONFIRM. requested by P. Dahlberg.
        – added HIDEWITHPICTURE.
        – added ICONIFYMODE.

    0.98b
        – fixed PUBSCREEN setting. pubscreens have got precedence
          over CUSTOMSCREEN now. reported by P. Habermehl and M.
          Kilimann.
        – fixed MysticView's new icon to use only required colors.
          reported by M. Kilimann.
        – looping and AUTOQUIT are now applied in general,
          not only in slideshow mode. requested by P. Habermehl.

  * 0.98a
        – forgot to implement NORECURSE tooltype setting. fixed.
        – added NOLOOP and AUTOQUIT settings. requested by P. Habermehl.
        – new default background color
        – implemented SORTMODE none/random/alpha
        – added limitations for unregistered users. :)

    0.97h
        – added setting DITHERMODE. implemented EDD dithering.
        – renamed DITHER to DITHERING.
        – pictures that could not be loaded no longer interrupt
          slideshows, and a proper error message will be displayed.
        – added Delete Picture.
        – copy/move/delete now applies to the pictures' icons, too.
        – added STARTPIC setting.
        – restructured menus.
```

- added Flip Horizontally and Flip Vertically.
- MysticView now creates a new icon for its settings,
  if necessary.
- implemented loading and saving of presets, added PRESETPATH
  and PRESETFILE settings
- fixed DEFAULT option. now the defaults are overridden by
  arguments specified in the command line.

0.97g
- the preload task's priority has been reset to -1.
- added newicon thumbnail feature. (preliminary,
  for experimental purposes only)

* 0.97f
- added preloading.
- added invisible close and screenback gadgets. this works
  only when both the settings WINSIZEMODE=FULL and
  BACKDROP are specified. requested by Joker.
- MysticView no longer forgets the current filename when
  the configuration is changed, and slideshows will be
  continued.
- added some more keyboard shortcuts
- dropped german documentation, created a guide file and
  an install script

0.97e
- added picture information and PICINFO setting
- implemented a new picture-management class consisting
  of several subtasks.
- slideshow now works as expected. (preload is not
  yet re-implemented, though)
- fixed many menu-related problems and improved menu layout
- added copy to..., move to... for 10 configurable slots each.
- all path/filenames are now handled dynamically
- with the REQUESTFILE option enabled, a requester no
  longer pops up when images were specified at startup.
- improved memory management
- when initialization fails, a requester is shown for
  retry, cancel, or retry using defaults.
- added LISTFILE commandline option. it allows to specify a
  list file from where to fetch pictures.
- added Open List File... menu and LISTPATH config.
- the window border is now refreshed correctly (after approx.
  1/5 second. guess what, a subtask is used here. opaque window
  sizing would suffer too much from refreshing the window border
  all the time :)
- finally! MysticView should close down gently now if the required
  versions of guigfx or render.library could not be opened (#&§@%!?)
- new icon tooltypes are created dynamically. no need to upgrade
  MysticView's icon anymore.

0.97d
- the configuration is now saved to MysticView's icon.
- menu items didn't toggle correctly (forgot MENUTOGGLE.
  what the heck, why does this work with MagicMenu ;)
- added more CTRL_C exit breakpoints
- the main task priority is now reset correctly.

- improved handling
- major menu layout rework
- added AUTOSAVESETTINGS
- added PREVIEWMODE
- added grid refresh
- fixed lots of minor quirks and problems

0.97c
- slightly improved screenmode selection logic:
  default screen size is now the workbench's visual
  dimensions, no longer its absolute size.
- re-implemented screenaspect tooltypes (thanks to ZZA :)
- added slideshow mode
- MysticViw now reads its configuration from the icon,
  even when started from shell. commandline arguments
  simply override the settings from the icon's tooltypes.
- added mouse scrolling – it's now possible to drag the
  picture around in MysticView's window.
- added a lot of menu items
- improved HAM refresh logic
- the screen's title bar is no longer obscured in
  WINOPENMODE=VISIBLE and without BACKDROP mode.
- added MODEID, SCRWIDTH, SCRHEIGHT
- added screenmode requester

0.97b
- MysticView crashed without cybergraphics. Fixed.

0.97a
- The display part has been rewritten. Now a daemon-like
  view-class handles the display as a background task.
  the new display logic is faster.
- implemented zooming and scrolling in all displaymodes
  (except for DISPLAYMODE=FIT).
- implemented DISPLAYMODE KEEPASPECT2 and IGNOREASPECT.
  DISPLAYMODE=ONEPIXEL has got a slightly different meaning now.
- implemented asychronous, recursive directory scanning.
- multiselect und patternmatching is now supported via
  drag&drop, filerequester, commandline and wbstart.
- added some keyboard shortcuts.
- Next and Previous Picture is now implemented.
- BORDERLESS has been renamed to BACKDROP.
- WINSIZEMODE=NORMAL renamed to WINSIZEMODE=DEFAULT,
  WINOPENMODE=NORMAL renamed to WINOPENMODE=DEFAULT
- PREVIEW und OPAQUESIZING are combined to a new single option: OPAQUE.
- added new options QUICKPALETTE and DITHER.
- TRANSPARENCY, REFRESHDELAY and AUTODITHER have been removed.
- added some menu configurations.

0.96n
- MysticView now uses DoPictureMethod()/PICMTHD_MAPDRAWHANDLE for
  quick drawing in preview mode and for opaque sizing.
- added tooltype WINSIZEMODE=SMALL, renamed WINSIZEMODE=66PERCENT
  to WINSIZEMODE=LARGE.

0.96m
- fixed a minor pubscreen problem.

0.96l
  - a logo task is no longer launched when a startup
    picture is specified.
  - minor internal changes

0.96k
  - since v0.96j, MysticView uses guigfx.library v3
    features, but it still opened guigfx.library v1.
    fixed.
  - minor problems corrected.
  - when a startup picture is specified, the logo task is
    launched with a lower priority than the load task.
  - added STARTPATH tooltype.

0.96j
  - added RENDERMEM option
  - fixed ASL filerequester problems.

0.96i
  - added cursor and mouse scrolling in DISPLAYMODE=ONEPIXEL.
  - window is now WFLG_ACTIVATE.
  - improved refresh mechanism.
  - added KEEPIMAGE.

0.96h
  - added a nicer rendered logo and dropped alpha-channel processing
    for the logo in TRANSPARENCY mode.
  - KEEPASPECT now works in TRANSPARENCY mode on screens with
    aspects different from 1:1.
  - TRANSPARENCY is slightly faster.
  - removed NOBACKFILL hook in TRANSPARENCY mode.
  - added BGCOLOR option.

0.96f
  - drastically reduced memory consumption.

0.96e
  - implemented tooltypes SCREENASPECTX and SCREENASPECTY for
    correction of distorted screen aspects (e.g. Cybergraphics
    640x256, or custom screen modes boosted with MonEd etc)
  - since the autodither value cannot be computed for rendering
    to HAM screen modes, HAM dithering is always enabled with
    AUTODITHER != 0 and disabled with AUTODITHER=0.
  - (finally?) solved all subtask administritation problems.
  - fixed commandline and wbarg parsing and supplied a proper
    template.
  - MysticView now quits with the ESC key.
  - added REQUESTFILE for MysticView to open a filerequester on
    startup.
  - The filerequester now opens asynchronously.
  - included Mac's newicon.

0.96d
  - Fixed a minor problem with MysticView running multiple
    times on HAM public screens.
  - Fixed Division-by-zero problem in MysticView's drawtask

```
     (hopefully)
   - improved subtask data-share mechanism
   - tooltype options are no longer case sensitive.

 0.96c
   - Added tooltype option HAM for MysticView to open
     a HAM screen in combination with CUSTOMSCREEN.

 0.96b
   - re-implemented transparency mode
   - implemented About requester
   - improved TRANSPARENCY mode: the background is no longer
     snapped when a REFRESHWINDOW message arrives

 0.96a
   - MysticView has been completely restructured in preparation
     for further enhancements

 0.95g
   - added DirOpus configuration example.
   - MysticView has got a menu and a filerequester for loading.
   - if CUSTOMSCREEN is specified, the new screen is actually
     a pubscreen.
   - implemented PRECISION tooltype.
   - 0.95f was eating its own signals – after 16 refresh signal
     arrivals, no more subtasks could be created. Fixed.

 0.95f
   - added filename argument and FILENAME tooltype.
   - fixed WINOPENMODE

 0.95e
   - MysticView did not work without Cybergraphics. Fixed.
     Thanks to Plex and New Mode who reported this bug.

 0.95d
   - minor problems fixed.

 0.95c
   - improved speed.
   - implemented CUSTOMSCREEN and DEPTH for MysticView to
     open on a custom sreen. These features are preliminary,
     though.

 0.95
   - implemented more reliable shared-data access for
     MysticView's subtasks.
   - drawtask priority reset to 0.
   - removed a lot of bugs from the subtask admin code.
   - MysticView does no longer lose memory.

 0.94
   - implemented DISPLAYMODE KEEPASPECT
   - supplied a NOBACKFILL hook for the window.
   - unallocated pens and undefined areas are no longer visible.
   - the redraw task now runs with a priority of -1.
   - slightly improved opaque-sizing. the rastered bitmap is
```

precalculated right after loading, when OPAQUESIZING=TRUE
and TRANSPARENCY=0
- fixed WINTOP and WINLEFT.

0.93
- added asynchronous drawing - leading to much better
  window handling
- MysticView runs with a priority of 1, its subtasks
  with a priority of 0
- added tooltype options

0.92
- implemented DISPMODE_ONEPIXEL.
- heavily trained for stableness.

0.91
- memory management improved

0.9
- completely rewritten from the scratch, now using
  guigfx.library. features asynchronous loading,
  a transparent window, dithering, more elaborated
  window sizing and opening techniques,
  different display modes, and much more.

----------------------- cut --------------------------

0.76
- layout improved.
- implemented ADAPTIVEBORDER

0.75
- added lots of tooltype options
- fixed many minor problems
- greatly improved some image refresh problems.

* 0.68
- first public release
- minor changes
- there was a heavy bug in v16.1 and v16.2 of render.library.
  I guess that MysticView crashed right at startup if you did
  NOT use the 68060 version. Sorry. I bumped the required
  library version to v17 where this bug has been fixed.

0.67
- major rework and clean-up

0.66
- The color allocation strategy has been improved.

0.65
- I couldn't quickly get rid of some heavy bugs I've
  introduced with v0.64. So I decided to continue work
  with v0.62 and render.library v12.0.
  Asynchronous loading is no longer implemented.
  This version seems to work pretty stable.

```
0.64
  - asynchronous loading implemented.

0.63
  - About is asynchronous now.
  - improved color allocation strategy.
  - MysticView crashed on 2-color-displays. Fixed.

0.62
  - better allocation strategy for critical colors on
    displays with few sharable pens.
  - Filerequester implemented.
     - A percentual render progress display and several messages
    are displayed in the window's title bar.
     - The picture's width is now layouted pixelwise, no longer in
    multiples of 16 pixels.
  - Various enhancements and bugfixes

0.60
  - Faster display.
  - Several bugs fixed.
  - Fixed display problems (window borders and flicker...).
  - Pooled memory management implemented.
  - Window is SIMPLE_REFRESH now.
  - Requires less memory.
  - Nicer logo.
  - Menu implemented for "About" requester and "Quit". Other
    menu functions are not yet implemented.

0.53
  - faster window refresh.
  - Requires less memory

0.52
  - now takes care of aspect ratios.
    This applies to both the image and the screen mode.
  - nicer logo

0.51
  - MysticView lost memory. Fixed.
  - Sped-up window refresh after resizing.
  - uses PRECISION_IMAGE instead of PRECISION_EXACT.

0.50
  - initial version
```

1.9 AUTOSAVESETTINGS

```
AUTOSAVESETTINGS

type: boolean keyword (YES or NO)
menu equivalent: Settings/Auto Save Settings

automatically save settings at exit. this setting
```

```
is only considered for the 'general' settings.
the 'global' settings are saved anyway.

default: NO

see also
  configuration
```

1.10   BACKDROP

```
BACKDROP

type: boolean keyword (YES or NO)
menu equivalent: Settings/Window/Backdrop

open MysticView on a backdrop borderless window.

default: NO
```

1.11   BGCOLOR

```
BGCOLOR

type: string representing a hexadecimal number
menu equivalent: none

the background's RGB value.

default: a pale, dark green

see also
  TEXTCOLOR
  MARKCOLOR
```

1.12   DEFAULT

```
DEFAULT

type: switch
menu equivalent: Settings/Reset to Defaults

specify this option for MysticView to use its internal
default settings. no settings will be read from the icon.

this switch is only available when MysticView is started
from the command-line.
```

1.13 DEPTH

```
DEPTH

type: numeric
menu equivalent: none

preferred depth for custom screens.
valid: 1-8, 15, 16, 24, maybe 32.

default: the Workbench's depth.

see also
   SCROPENMODE
```

1.14 DESTPATH

```
DESTPATH0 ... DESTPATH9

type: string
menu equivalent: Project/Copy Picture to/...
menu equivalent: Project/Move Picture to/...

10 configurable destination paths for quick
copying/moving.

these items are only available in the global
configuration.

defaults: undefined

see also
   configuration
```

1.15 DISPLAYMODE

```
DISPLAYMODE

type: keyword
menu equivalent: Options/Scale with Aspect
menu equivalent: Options/Display 1:1 Pixel

image size and aspect handling mode

   KEEPASPECT
   keep the aspect ratios of both the screen and the image.
   this mode guarantees that the image is always fully
   visible.
   this mode corresponds to Options/Scale with Aspect.

   KEEPASPECT2
   keep the aspect ratios of both the screen and the image.
```

```
   this mode guarantees that either the full width or full
   height of the image is completely visible.
   there is no menu equivalent for this mode.

   ONEPIXEL
   do not care about the image aspect, and display all pixels
   that appear in the image. the screen's aspect ratio will
   be considered.
   there is no menu equivalent for this mode.

   IGNOREASPECT
   ignore all aspect ratios. represent each pixel in the
   image by one pixel on the screen.
   this mode corresponds to Options/Display 1:1 Pixel.

   FIT
   do not care about aspects and zoom at all. the image will
   always fit exactly to the window's dimensions.
   there is no menu equivalent for this mode.

 default: KEEPASPECT

 see also
   AUTODISPLAYMODE
```

1.16   DITHER

```
 DITHERING

 type: keyword
 menu equivalent: Settings/Rendering/Auto Dither
 menu equivalent: Settings/Rendering/Always Dither

 dither activation mode.

   OFF
   never use dithering

   ON
   dither images on screens with 256 colors (or less),
   and on HAM screens.

   AUTO
   automatically activate dithering when the image would
   lose too much quality.

 default: AUTO

 see also
   DITHERMODE
   guigfx.library ENV variables
```

1.17 HAM

```
HAM
```

```
type: boolean keyword (YES or NO)
menu equivalent: none
```

```
use this tooltype in combination with SCROPENMODE=CUSTOM for
MysticView to open a HAM screen. don't forget to specify an
appropriate DEPTH setting as well.
```

```
default: NO
```

```
see also
   SCROPENMODE
   DEPTH
```

1.18 LISTFILE

```
LISTFILE
```

```
type: string
menu equivalent: Project/Open List File...
```

```
specify the filename for a listfile. this listfile may
contain any number of pictures, paths and patterns.
```

```
this argument is only available when MysticView is started
from the commandline.
```

```
see also
   LISTPATH
```

1.19 LISTPATH

```
LISTPATH
```

```
type: string
menu equivalent: none
```

```
current default path for LISTFILE. it is considered
when no path is specified for the LISTFILE argument,
and in the list filerequesters.
```

```
this argument is part of the 'global' configuration,
and will be saved automatically.
```

```
see also
   LISTFILE
   configuration
```

1.20   MODEID

```
MODEID

type: string representing a hexdecimal number
menu equivalent: none

desired screenmode ID for custom screens.

note: there should be rarely any need for you to set
this cryptic argument manually. MysticView's automatic
screenmode selector is usually smart enough to find
the best matching screenmode with the arguments
SCROPENMODE, DEPTH, HAM, SCREENWIDTH, SCREENHEIGHT.

default: undefined

see also
   SCROPENMODE
   DEPTH
   HAM
   SCREENWIDTH, SCREENHEIGHT
```

1.21   RECURSE

```
RECURSE

type: boolean keyword (YES or NO)
menu equivalent: none

when enabled, MysticView scans directories recursively.

default: YES
```

1.22   PRECISION

```
PRECISION

type: keyword
menu equivalent: none

color allocation precision for non-truecolor screens.
note: low precisions suffice in most cases.

   GUI
   lowest precision - extremely nice towards other
   applications.

   ICON
   low precision - very nice towards other applications.

   IMAGE
```

```
    standard precision for images.

    EXACT
    highest precision. this mode is very unfriendly towards
    other applications! only use it on a separate screen.

  default: IMAGE
```

1.23 PREVIEWMODE

```
PREVIEWMODE

type: keyword
menu equivalent: Settings/Rendering/Grid Preview
menu equivalent: Settings/Rendering/Opaque Refresh

type of realtime window refresh. this applies to
changes and updates of the display while zooming,
moving the cursor, rotating, resizing the window,
and with REFRESHMODE=SIMPLE.

  NONE
  no realtime update takes place. the image will be
  rendered in highest quality.

  GRID
  a 10x10 grid is drawn instead of the picture, then
  the picture is rendered into this grid with highest
  quality.

  OPAQUE
  this option enables MysticView's opaque window update
  with the full window contents. after a quick and dirty
  preview has been displayed, the image is rendered
  into the display in highest quality (if necessary).

  the last option increases memory consumption dramatically
  and should be enabled only on systems with a fast CPU.

  default: NONE

  see also:
    SMOOTHDISPLAY
    REFRESHMODE
```

1.24 PUBSCREEN

```
PUBSCREEN

type: string
menu equivalent: Settings/Screen/...
```

with this keyword you can open MysticView on
a public screen in your system.

default: default public screen

see also
   SCROPENMODE

1.25   STATICPALETTE

STATICPALETTE

type: boolean keyword (YES or NO)
menu equivalent: Settings/Rendering/Static Palette

this option will cause MysticView to use a static
palette instead of a dynamic one (being calculated
for each picture).

this option is meaningless on hicolor- and truecolor
displays.

static palette versus dynamic palettes:

a static palette
- gives bad results without dithering.
- produces more stable quality with dithering.
- will trigger MysticView's automatic dithering
  in most cases.
- causes less flickering when you advance from
  one picture to another, because there is no
  need to clear the display.
- is not necessarily faster than a dynamic one.
  this depends on the picture.

default: YES

see also:
   DITHERING

1.26   REFRESHMODE

REFRESHMODE

type: keyword
menu equivalent: none

window refresh mode.

   SIMPLE
   the window contents will have to be redrawn by MysticView
   when parts of it are getting exposed. this mode saves some

```
memory.

  SMART
  the window contents are maintained by the operating system,
  resulting in a quicker window refresh – at the cost of a
  higher memory usage.

this feature is rarely used. I recommend to use SMART
all the time.

default: SMART

see also
  PREVIEWMODE
```

1.27 RENDERQUALITY

```
RENDERQUALITY

type: keyword
menu equivalent: none

this flag indicates low or high quality (and memory
consumption) when truecolor data is rendered to 8 bit
(or less), or to HAM modes.

  LOW
  lower memory consumption and faster.

  HIGH
  higher memory consumption and better quality,
  at the cost of speed.

default: LOW

I recommend to leave this setting at its default.
MysticView does an excellent job in compensating the
loss of quality with dithering.

see also
  DITHERING
```

1.28 REQUESTFILE

```
REQUESTFILE

type: boolean keyword (YES or NO)
menu equivalent: Options/Auto File Requester

open a file requester at startup, and after the
last picture in a list. the latter case is
ignored when MysticView is in LOOP mode.
```

see also
  LOOP

1.29 SCREENASPECTX SCREENASPECTY

SCREENASPECTX, SCREENASPECTY

type: numeric
menu equivalent: none

override the screen's aspect ratio. use this feature if your
screenmode does not provide proper aspect ratios, e.g.
CybergraphX 640$\times$256 or screen modes boosted with MonEd etc.

default: the screen's aspects

see also
  SCROPENMODE

1.30 SCREENWIDTH SCREENHEIGHT

SCRWIDTH, SCRHEIGHT

type: numeric
menu equivalent: none

desired width and height for a custom screen (in pixels).
only considered with SCROPENMODE=CUSTOM.

default: none

see also
  SCROPENMODE

1.31 SLIDEDELAY

SLIDEDELAY

type: numeric
menu equivalent: Settings/Slideshow Delay/...

number of 1/10 seconds until the next picture is
displayed in slideshow mode.

note: the interpretation of this setting has changed
since 0.xx versions, from seconds to tenth of seconds.

default: 50

```
see also
   SLIDESHOW
```

1.32 SLIDESHOW

```
SLIDESHOW

type: boolean keyword (YES or NO)
menu equivalent: Options/Slideshow
button equivalent: 5th button from the left

activate slideshow mode.

default: NO

see also
   SLIDEDELAY
   AUTOSTOP
```

1.33 STARTPATH

```
STARTPATH

type: string
menu equivalent: none

specifies the start path for MysticView's file requester.

this setting is only available in the 'global' configuration.

default: not defined

see also
   configuration
```

1.34 WINLEFT WINTOP

```
WINLEFT, WINTOP

type: numeric
menu equivalent: indirect (Settings/Window/Snap Window)

upper left position for the window on the screen. these
coordinates are only considered when WINOPENMODE=DEFAULT.

default: system's default window position

see also
   WINOPENMODE
```

1.35   WINOPENMODE

```
WINOPENMODE

type: keyword
menu equivalent: Settings/Window/Centered...

specify window positioning mode.

   DEFAULT
   open the window at its default location, or as defined
   throughout WINLEFT and WINTOP.

   CENTER
   open the window in the middle of the visible part of the
   screen. oversized (autoscrolling) screens are handled.

   MOUSE
   open the window centered under the mouse pointer.

default: CENTER

see also
   WINLEFT, WINTOP
   WINSIZEMODE
```

1.36   WINSIZEMODE

```
WINSIZEMODE

type: keyword
menu equivalent: Settings/Window/Small...

specify window size mode.

   DEFAULT
   open the window with default dimensions, or as defined
   throughout WINWIDTH and WINHEIGHT.

   FULL
   open the window with the screen's full size.

   VISIBLE
   open the window with the screen's visible size.
   this mode handles oversized screens, and in addition
   to that, it does not cover the screen's title bar.

   LARGE
   open a 'large' window - i.e. with 2/3 of the screen's
   visible dimensions

   HALF
   open the window with half the screen's visible dimensions
```

```
     SMALL
     open a 'small' window - i.e. with 1/3 of the screen's
     visible dimensions

  default: LARGE

  see also
     WINWIDTH, WINHEIGHT
     WINOPENMODE
```

1.37   WINWIDTH WINHEIGHT

```
  WINWIDTH, WINHEIGHT

  type: numeric
  menu equivalent: none

  window's width and height. this size is only considered
  when WINSIZEMODE is set to DEFAULT.

  default: the system's default window size

  see also
     WINSIZEMODE
```

1.38   specify pictures via command line

```
  specifying pictures via commandline

  specify any number of pictures, drawers and filename
  patterns. examples:

     MysticView pix:
     MysticView pix:JPEG/Colors.jpg
     MysticView pix:JPEG/Colors.jpg pix:#?.ham?
     MysticView sys:prefs/patt#?
     MysticView sys:prefs/patt#?/#?.gif
     MysticView pix:~(#?.gif)

  see also
     configuration
     examples
```

1.39   specify pictures via listfile

```
  specifying pictures via listfile

  specify a listfile with the LISTFILE argument. a picture
  list file may contain any number of filenames, paths, and
  patterns.
```

```
   for instance

     MysticView LISTFILE work:pets

   with work:pets a text file looking like this:

     pix:animals/pets/
     pix:cat#?
     sys:prefs/patterns/katzen.bmp
     pix:misc/doggy1.ham8
     pix:misc/doggy2.ham8
     work:clipart/kitten(?|%)?.#?
     pix:jpeg/#?(cat|dog|bird)#?
     archive:

   you may also start MysticView with a listfile icon,
   or specify one using drag'n'drop.

   see also
     LISTFILE
     specify pictures via iconstart
     specify pictures via drag'n'drop
```

1.40 specify pictures via drag'n'drop

```
   specifying pictures via drag'n'drop

   - drag single or groups of pictures, drawers or devices
     on MysticView's window or appicon.

   - drag listfiles on MysticView's window or appicon.

   - with the option APPENDICONS enabled, icons are appended
     to the filelist. otherwise, the filelist will be replaced.

   see also
     APPENDICONS
     ICONIFY
     specify pictures via iconstart
```

1.41 specify pictures via iconstart

```
   specifying pictures via icon start

   single picture:

   start MysticView by double-clicking a picture. 'MysticView'
   must be the default tool for the respective icon$^1$.

   multiple pictures:
```

- activate any number of pictures, drawers and devices on your
  Workbench, hold down the shift key and double-click on
  MysticView.

- or activate the icon of MysticView, then activate pictures,
  drawers and devices while holding the shift key. double click
  on the last icon.

listfiles:

- start MysticView by double-clicking a listfile.

presets:

- start a MysticView configuration by double-clicking
  a preset file's icon.

- you can combine multiple icons for pictures, drawers and volumes
  or listfiles (see listfiles) with preset icons (see multiple
  pictures). the first preset file found in your selection determines
  a new configuration for MysticView to start up and display the
  selected pictures with.

^{1}note: MysticView can automatically create newicon thumbnails with
MysticView being the default tool.

see also
  preset files
  DEFAULTTOOL
  CREATETHUMBNAILS

1.42 specify pictures via file requester

specifying pictures via filerequester

select "Open Pictures..." from the project menu and select
one or multiple files or drawers. use "Add Pictures..." to
append one or multiple pictures to the current list.

select "Open List File..." from the project menu and select
a list file, or use "Add List File..." for appending a list
to the current list.

see also
  listfile start
  commandline start
  FILENAME

1.43 disclaimer

disclaimer

1.44 submissions

submissions

submit bug reports, ideas, concepts, suggestions, and feedback
of any kind. don't hesitate to drop me some lines, especially
when you've got some ideas for improvements, or you encounter
bugs or you think that MysticView lacks a feature.

see also
  author
  donations
  known problems
  history

1.45 shareware

donations

MysticView is now freeware. if you like it and use it
frequently, please send a donation to the author.

a donation could be one of your favourite music CDs,
or a bank-note in your funny local currency.

whatever it may be, send something that you think may
be worth it, and only if you like.

see also
  author

1.46 author

author

bifat / TEK neoscientists

timm s. mueller

```
bifat@neoscientists.org

if you want to send a donation, send me an email
first for getting my current mail address.

TEK neoscientists homepage and support site for
MysticView, mysticview.library, guigfx.library,
render.library, and other tools and libraries:

www.neoscientists.org
```

1.47 copyright

```
copyright and license

copyright (c) 1997-2001 TEK neoscientists. all rights reserved.

redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. redistributions of source code must retain the above copyright
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   this software without specific prior written permission.

see also
  disclaimer
```

1.48 acknowledgements

```
acknowledgements

Frank 'Copper' Pagels - personal friend, author of ArtPRO,
initiatior and main betatester of render.library.

Markus Hillenbrand - author of Gallery, main betatester
of guigfx.library in its early stages.

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combining the powers of PhotoFolio and MysticView was
an amazing experience, with a heap of e-mails going around
the globe every day. now my feet are up! :-)

Stefan Sommerfeld - author of Scalos. thanks for intensive
testing and implementation of guigfx.library and
```

render.library, and for a lot of suggestions!

Gunther Nikl for a large number of great v43 datatypes.

greetings (not necessarily related to this project)...

Hexaae, Buggs, DaMicha (thanks for the newicon), Eagleeye, Mudu,
all members of Oxyron, Azure, ZZA, Joker, Mac (thanks for the
first newicon), and the TEK posse!

1.49 known problems

known problems

datatype related:

– if you are using the Picasso96 picture.datatype, you must
  upgrade to at least v43.26. otherwise, MysticView will crash
  very badly when loading truecolor pictures.

– the AK... datatypes (author: Andreas Kleinert) appear to
  work fine, but they MUST be configured to deliver proper
  results. in addition to that, they return false aspect
  ratios in the default configuration. you need to add a
  configuration item in env/envarc:datatypes/ak...prefs
  using a text editor. add the following line:

        NOASPECT

– if you encounter crashes of MysticView's loading task (or
  other problems that might be related to datatypes), then
  please try another datatype for the respective file format
  first. thank you very much.

miscellaneous:

– if you are running out of memory too often and MysticView
  needs to reload pictures after flushing the cache, please
  reduce the size of the picture cache. recommended reading:
  BUFFERPERCENT option.

– the PiP option is considered experimental. do not use it
  in a scalable window. this feature requires a 'cliprect'
  to be installed in a window, and this may lead to
  refreshing problems.

– MysticView isn't very well designed for access to slow
  media. devices can be accessed by a large number of
  tasks – mainly for scanning, loading, and background
  loading (besides copying, moving and deleting).
  disable the 'Scan Asynchronously' option (ASYNCSCANNING)
  when you access slow media. when enabled, different tasks
  of MysticView are scanning and loading in parallel.

- the way MysticView scrolls a picture (using the arrow keys)
  might appear strange at first sight. the scroll position does
  not depend on a pixel step rate, but rather on an imaginary
  cursor. thus, scrolling does not move the picture, instead
  it moves the cursor on the picture, and the visible area follows
  the cursor. use the 'Show Cursor' option (SHOWCURSOR) to
  make it visible.

- if you encounter unpleasant behavior concerning the display,
  consult the textfile prefs/env-variables in the MysticView
  distribution.

- on my system, MysticView works fine with VMM - a virtual memory
  manager by Martin Apel :-)

see also
  insufficiencies
  getting datatypes
  ASYNCSCANNING
  BUFFERPERCENT
  SHOWPIP
  SHOWCURSOR

1.50 DITHERMODE

DITHERMODE

type: keyword
menu equivalent: none

set dithermode. available are

  EDD
  use EDD dithering (slightly faster)

  FS
  use Floyd-Steinberg dithering (slightly better)

default: EDD

note: I recommend to use the default. EDD is not a simple
'ordered' derivate, but comes very close to Floyd-Steinberg
dithering, at higher performance.

see also:
  DITHERING

1.51 STARTPIC

STARTPIC

```
type: string
menu equivalent: none
```

this setting is for those who do not like to be stared at by
MysticView's ugly logo. specify a path/filename to a valid
picture to be used as MysticView's startup picture.

you may also specify the reserved keyword 'none' if you can
live without a logo at all.

default: internal startup picture will be used

1.52 PRESETPATH

```
PRESETPATH

type: string
menu equivalent: none
```

current path to MysticView's presets. this path is
automatically saved to MysticView's global settings.

it's used as the path for preset filerequesters,
and for the PRESETFILE argument, when no path
is specified.

default: undefined

```
see also
  PRESETFILE
  preset files
  configuration
```


1.53 PRESETFILE

```
PRESETFILE

type: string
menu equivalent: Settings/Load Preset...
```

settings file. this keyword is only available in the
command line.

default: settings are read from MysticView's icon

```
see also
  PRESETPATH
  preset files
```


1.54 LOOP

```
LOOP

type: boolean keyword (YES or NO)
menu equivalent: Options/Loop
button equivalent: 6th button from the left

this option turns on looping for a series of pictures.

when enabled, this setting overrides several options,
such as AUTOQUIT, AUTOHIDE, AUTOSTOP, AUTOCLEAR.

default: NO

see also
   SLIDESHOW
   AUTOQUIT
   AUTOHIDE
   AUTOSTOP
   AUTOCLEAR
```

1.55 AUTOQUIT

```
AUTOQUIT

type: boolean keyword (YES or NO)
menu equivalent: Settings/After Last Picture/Quit

with this option specified, MysticView quits when
the last picture of a list has been displayed.

this options has precedence over (i.e. overrides)
AUTOSTOP, AUTOCLEAR, and AUTOHIDE.

default: NO

see also
   AUTOHIDE
   AUTOSTOP
   AUTOCLEAR
```

1.56 SORTMODE

```
SORTMODE

type: keyword
menu equivalent: Settings/Sort Pictures by/...

this setting specifies the sort order for a series of pictures.

   NONE
   no sorting takes place. the images appear in the sequence
```

they were found on the disk, or in the sequence they were
specified as arguments.

RANDOM
random order.

FILENAME
alphanumerical order (0-9,a-z), applying to the filename
only.

FULLNAME
alphanumerical order (0-9,a-z), applying to the combined
path and filename.

DATE
file date order, old-to-new.

SIZE
filesize order, small-to-large.

default: NONE

see also
  RECURSE
  REVERSE
  ASYNCSCANNING

1.57 ZOOMSTEP

ZOOMSTEP

type: string representing a number
menu equivalent: none

this number defines the desired zoomfactor step.
valid range: 0.01 ... 2.

default: 0.1

see also
  SMOOTHDISPLAY
  ROTATESTEP

1.58 PRESET0...9

PRESET0 ... PRESET9

type: string
menu equivalent: Settings/Use Preset/...

10 configurable preset files to be quickly accessed with
CTRL F1 ... CTRL F10. these items are automatically saved

in MysticView's global configuration.

defaults: none

see also
  configuration

1.59 SHOWCURSOR

SHOWCURSOR

type: boolean keyword (YES or NO)
menu equivalent: Options/Show Cursor

this setting will activate a tiny crosshair on the picture,
indicating the current cursor position. scrolling will move
the cursor, and zooming will go to that destination.

default: NO

see also
  known problems

1.60 Examples

examples

1. open a fullscreen borderless display on a 640x480x24 screen
   and present a random slideshow of the directory pix:gif.

   MysticView pix:gif scropenmode=custom scrwidth=640
           scrheight=480 depth=24 winsizemode=full
           backdrop=yes sortmode=random slideshow=yes
           slidedelay=50

2. open a small window over the mouse pointer, with
   opaque scaling, open a filerequester, and quit
   after all files have been viewed.

   MysticView winsizemode=small winopenmode=mouse
           staticpalette=yes previewmode=opaque
           requestfile=yes loop=no autoquit=yes

1.61 SCROPENMODE

SCROPENMODE

type: keyword
menu equivalent: indirect (Settings/Screen/...)

determines the way MysticView tries to use or open a screen.

    DEFAULT
    use the default public screen. typically this will be
    the Workbench. note: use a 'default pubscreen' commodity
    if you want to make the frontmost pubscreen the default one.

    PUBLIC
    use a public screen specified throughout the PUBSCREEN
    setting. if the specified public screen cannot be found,
    MysticView falls back to the default pubscreen.

    CUSTOM
    try to open a custom screen specified throughout the
    settings MODEID, SCRWIDTH, SCRHEIGHT, DEPTH, and HAM.

  default: DEFAULT

  see also:
    PUBSCREEN
    MODEID
    SCRWIDTH
    SCRHEIGHT
    DEPTH
    HAM

1.62 CX_PRIORITY

  CX_PRIORITY

  type: numeric
  menu equivalent: none

  MysticView's commodity priority, i.e. the hotkey-handler's
  priority over other commodities that may have installed the
  same hotkey by accident.

  default: 0

  see also
    CX_POPKEY
    CX_POPUP

1.63 CX_POPKEY

  CX_POPKEY

  type: string
  menu equivalent: none

  MysticView's commodity hotkey sequence. when MysticView is

```
in hidden state, this key sequence will pop up its window.

consult your manuals on how to express these key sequences.

default: control m

see also
   CX_PRIORITY
   CX_POPUP
   Amiga OS manuals
```

1.64 CX_POPUP

```
CX_POPUP

type: boolean keyword (YES or NO)
menu equivalent: none

   YES
   open MysticView's window at startup.

   NO
   start MysticView in hidden state.

default: YES

see also
   ICONIFY
   CX_PRIORITY
   CX_POPKEY
```

1.65 AUTOHIDE

```
AUTOHIDE

type: boolean keyword (YES or NO)
menu equivalent: Settings/After Last Picture/Hide

with this keyword specified, MysticView iconifies
when the last picture of a list has been displayed.

default: NO

see also
   AUTOQUIT
   AUTOSTOP
   AUTOCLEAR
```

1.66 ROTATESTEP

```
ROTATESTEP

type: numeric
menu equivalent: none

this number defines the desired rotation step
in degrees.
valid range: 1 ... 180.

default: 30

see also:
   ZOOMSTEP
```

1.67 CONFIRM

```
CONFIRM

type: keyword
menu equivalent: none

specify confirmation level for dangerous operations.
currently defined:

   ALWAYS
   always open an 'are you sure' requester for dangerous
   operations.

   NEVER
   never open an 'are you sure' requester for dangerous
   operations.

default: ALWAYS
```

1.68 ICONIFY

```
ICONIFY

type: keyword
menu equivalent: none

set iconify mode.

   APPICON
   leave out an appicon on the workbench. double-click on that
   appicon (or drop pictures on it) to make MysticView visible.

   APPITEM
   append an entry to the workbench's tool menu. select this
   item in order to make MysticView visible.
```

```
   INVISIBLE
   hide MysticView invisibly. the only ways to
   make it visible is with Exchange or by pressing
   the hotkey sequence.
```

default: APPICON

see also
   CX_POPUP
   CX_POPKEY

1.69   getting datatypes

getting datatypes

MysticView depends on picture datatypes being installed to your
system. for proper results, your system should be supplied with
either of the available v43 picture datatypes. only v43 datatypes
allow truecolor pictures to be loaded and displayed in full color
resolution.

- if you are using the CybergraphX graphics card emulation,
  install the PictDT43.lha distribution. it is available
  on aminet.

- if you are using the Picasso96 graphics card emulation,
  you've probably installed the supplied v43 picture datatype
  already. availability: Picasso96.lha (aminet)

- if you are neither using CybergraphX nor Picasso96, use
  the Picasso96 v43 picture datatype. availability:
  Picasso96.lha (aminet)

picture datatype subclasses have to support the v43 features as
well. for datatype tests, upgrading, and installation notes
visit my datatype section at the MysticView homepage.

1.70   THUMBSIZE

THUMBSIZE

type: numeric
menu equivalent: none

specify newicon thumbnail size. valid range: 10 ... 93.
this size is used for the maximum width or height, with
respect to the image's aspect ratios.

default: 50

note: I agree, 93 is a weird number. don't blame me,
this is documented in the newicon specifications.

```
see also
  CREATETHUMBNAILS
  THUMBCOLORS
```

1.71 THUMBCOLORS

```
THUMBCOLORS

type: numeric
menu equivalent: none

specify number of colors for newicon thumbnails. valid range: 4 ... 256.
do not specify too many colors if your workbench is not running in high
or truecolor. don't worry, MysticView does a very good job in reducing
the number of colors.

default: 50

see also
  CREATETHUMBNAILS
  THUMBSIZE
```

1.72 REJECTPATTERN

```
REJECTPATTERN

type: string
menu equivalent: none

a pattern for filenames to be rejected by MysticView.

useful e.g. with #?.info, when you've got an icon datatype
installed, but don't want any icons to be viewed.

this argument is also used for the reject pattern
in picture filerequesters.

default: #?.info

see also
  FILTERPICTURES
```

1.73 CREATETHUMBNAILS

```
CREATETHUMBNAILS

type: boolean keyword (YES or NO)
menu equivalent: Settings/Create Thumbnails
```

enable automatic newicon thumbnail generation.

whenever MysticView encounters a picture that lacks
a newicon thumbnail generated by MysticView, it will
create one or update it.

MysticView will not overwrite already existing icons
that haven't been created with MysticView before.

MysticView thumbnails are identified throughout
tooltype settings which will be created automatically:

MYSTICVIEW_THUMBDATE=<human-readable datestamp>
MYSTICVIEW_THUMBNAIL=<size>,<numcolors>

when the picture has been modified (according to
the datestamp), or when the thumbnail settings have
been changed (according to <size> and <numcolors>),
MysticView will update the icon.

in addition to that, MysticView will insert a
default tool to the resulting project icon.
this is defined throughout the DEFAULTTOOL setting.

note: automatic thumbnail creation requires newicon.library.

see also
   THUMBSIZE
   THUMBCOLORS
   DEFAULTTOOL

1.74 DirectoryOpus configuration

DirectoryOpus configuration

MysticView can be very easily integrated into DirectoryOpus.
this section shows up different ways and gives some useful
hints. note that MysticView was not designed to be
integrated into DirectoryOpus exclusively. the same
techniques can be applied to other file managers and
Workbench replacements as well. if you think that other
software should be mentioned here, don't hesitate to
supply the author with configurations and manuals.

see
   general filetype configuration
   using listfiles with DOpus
   using the APPEND option with DOpus
   browse directories with MysticView
   using a special PRESETFILE for DOpus

1.75 FONTSPEC

```
FONTSPEC

type: string
menu equivalent: none

this setting allows you to specify a font for the
picture info textline.

syntax:  size[,name]

example: FONTSPEC=8,topaz

default: system's screen font

I recommend to use a good-looking small fixed-width
font here. not for technical reasons, but for an
eye-friendly update of the text while scanning and
loading.

see also:
  PICINFO
```

1.76   PICINFO

```
PICINFO

type: boolean (YES or NO)
menu equivalent: Options/Show Picture Info

show a textline with some informations about the
picture currently being displayed.

default: NO

see also:
  FONTSPEC
  PICFORMAT
```

1.77   LMBACTION

```
LMBACTION

type: keyword
menu equivalent: Options/Mouse Drag Picture

this option determines how the left mouse button is used
when activated over a picture.

DRAG
  when the picture is not fully visible, it can
  be dragged around with the mouse.
```

```
NEXT
  MysticView advances to the next picture in the list
  when the left mouse button is pressed.
```

note: the mouse pointer has to placed over a visual
part of the picture.

default: DRAG

```
see also
  SHOWARROWS
  SHOWPIP
  mouse usage
```

1.78 AUTODISPLAYMODE

AUTODISPLAYMODE

type: boolean keyword (YES or NO)
menu equivalent: Options/Learn

this option tells MysticView to predict the display mode
that you would likely prefer for the current picture.

most pictures look better with either of the two
displaymodes "Scale with Aspect" or "Display 1:1 Pixel",
e.g. workbench patterns are more likely to look good
in "Display 1:1 Pixel" mode, while photos are usually
being watched in "Scale with Aspect" mode.

this problem could be approached algorithmically, but
this is boring, and the user's preferences vary.

MysticView uses a neural network to learn from your
changes of the displaymode. whenever a new picture is
loaded or when the window is resized, the neural
network is recalled, and the displaymode may be
changed accordingly.

you train the neural network by simply toggling the
displaymode. MysticView interpretes it like:
"that's the display mode the user likes pictures like
this one to be displayed with."

MysticView behaves completely silly the first times,
because it is initialized with an 'empty' or
unconditioned network the first time. its predictions
become more precise by the time. you must teach it by
changing the displaymode for different pictures and
window layouts.

don't expect too much. the artificial intelligence is
limited, of course. MysticView does not react to the
picture's contents, but only to formal parameters like

the current aspect ratios of the window and the picture,
their absolute sizes, and the picture's depth.

the network is perfectly conditioned when you don't
need to adjust the displaymode anymore, or when you
don't even recognize that it has been changed.

leave this option disabled if you think it's too much
confusing.

default: NO

see also
  DISPLAYMODE

1.79 AUTOCROP

AUTOCROP

type: boolean keyword (YES or NO)
menu equivalent: Options/Autocrop Pictures

this option tells MysticView to automatically crop
blank areas from a picture's borders. only newly
loaded pictures will be cropped.

default: NO

1.80 general usage

general usage

  commandline   see also: examples

  mouse
  buttons
  menus
  keyboard

  file requester
  iconstart
  listfiles
  drag'n'drop

  configuration   full control via tooltypes
  preset files   alternate configurations

  Directory Opus   configure it right

1.81 menu reference

```
menu reference

  project menu        files, lists, and program related
  picture menu        related to the current picture
  options menu        quick access to innumerous options
  settings menu       general settings (the nasty menu)
```

1.82 filename

```
FILENAME

type: one or more strings
menu equivalent: Project/Open Pictures...

specifies names of picture filenames or volume names
or directories for scanning.

includes Amiga DOS pattern matching.

this argument is only available in the commandline.

see also
  APPEND
  RECURSE
  AmigaOS DOS manuals
```

1.83 append

```
APPEND

type: switch
menu equivalent: none

with this option specified, MysticView will first look for
another running instance, and if one is found, pass the
FILENAME arguments to that MysticView. that instance will
immediately try to catch up with the new arguments and
start scanning, loading, etc.

the FILENAME arguments won't replace an already existing
picture list. they will be appended.

if no other MysticView is running, it will be started
with the given FILENAME arguments.

this argument is only available in the commandline.

see also
  FILENAME
```

1.84   animpic

```
ANIMPIC

type: string
menu equivalent: none
```

specify a filename for an external animation picture for
MysticView's tiny progress indicator.

the size and depth and format of the animation are free.
if you want to replace the picture, please note:

- your picture will be interpreted as 20 animation frames
of the same size each, placed vertically under each other.
when the picture's height is not a multiple of 20 pixels,
then there's something wrong with the specified file.

- the frames will be rendered to the center of the leftmost
button (see BUTTONPIC argument). make sure that the frames
fit to that place.

the consequences of a misaligned animation picture haven't
been tested. (probably harmless, though)

```
see also:
  BUTTONPIC
```

1.85   Developers

```
developers
```

if you think that MysticView sucks, why don't you simply
grab yourself a compiler and start your own RTG viewer?

MysticView is not more than a configuration and lists
manager. more interesting are its viewing capabilities.
they're completely modular, highly abstracted, and
encapsulated in black boxes. they are grouped in three
layers:

1. mysticview.library
   highly abstracted view class layer. it does not deal
   with pixel formats and screenmodes. you supply pointers
   to a rastport, a screen, and some attributes.

2. guigfx.library
   this layer fulfills the RTG promise. it's an interface
   between render.library, datatypes.library, graphics.library
   and cybergraphics.library. you may deal with pixel formats
   inside this layer, but you don't need to.

3. render.library
   low-level image processing layer, mainly rendering,

```
    scaling, colorspace conversions and alike. rather
    complicated stuff, but much more than a silly collection
    of conversion functions.
```

```
you can choose what layer you want to plug your own
applications to. have a look at the developer archives.
all these libraries are fully documented and free for you
to use.
```

```
see also
  aminet: dev/misc/RenderLib.lha
  aminet: dev/misc/GuiGFXLib.lha
  aminet: dev/misc/MysticLib.lha
```

1.86 BUTTONPIC

```
BUTTONPIC
```

```
type: string
menu equivalent: none
```

```
specify a filename for an external button picture for
MysticView's gadgets.
```

```
the size and depth and format of the picture are free,
as long as you've got a datatype for it. if you want to
replace the picture, please note:
```

```
- keep the layout (refer to the supplied example picture)
- all buttons must be of the same size.
```

```
note: the gadgets are completely faked, and they've got
nothing to do with intuition, gadtools, or BOOPSI. simply
disable the buttons if you think that this is obscene.
```

```
default: internal hardcoded buttons will be used
```

```
see also:
  SHOWBUTTONS
  ANIMPIC
```

1.87 BUFFERPERCENT

```
BUFFERPERCENT
```

```
type: number
menu equivalent: Settings/Picture Cache...
```

```
specify the size of the picture cache. this is a numeric
value, expressed in percent of the currently available
memory in your system.
```

reasonable values range from 1 to 50, maybe even more, if
you've got more than 64mb of memory. valid numbers range
from 1 to 100. a value of 0 is ignored, since the cache
logic cannot be disabled completely.

do not specify too large values! the memory consumption for
the picture currently being loaded is not predictable, and
if loading fails due to a lack of memory, the cache needs
to be flushed completely.

the actual amount of memory is not interpreted as an
absolute number. it will be repeatedly recalculated
during runtime.

if you start another application that requires a lot of
memory (e.g. a second MysticView), MysticView will adapt
its buffers to the new environment as soon as a new picture
is loaded. this makes the overall behavior of MysticView
very defensive, and it still may consume huge amounts of
memory for caching. on the other hand, if you suddenly
free large amounts of memory, MysticView will silently
fill up its buffers with more pictures.

the background loader will always try to preload pictures
as long as they fit into the cache. the upper limit for
preloading is currently set to 4 pictures. there is no
upper limit for the total number of pictures in the cache.
you can watch entire slideshows from memory, when the
background loader had the opportunity to run over a list
once.

a rather complicated algorithm determines what pictures
are to be flushed from the cache at a given time. there
are many parameters involved, especially the loading-time
is to be mentioned here, because loading-time is considered
to be something valuable, and the logic is designed to
save time.

however the cache can of course not reduce the absolute
loading-time. its main intention is to flatten loading-time
peaks during slideshows, and to improve responsiveness.
you can very often go back in the list without the need
to reload. if you've got large amounts of memory, MysticView
behaves very comfortable in this respect. and if you are using
fast PPC datatypes in combination with the cache, it's like
'surfing' over picture lists :-)

1.88 ASYNCSCANNING

ASYNCSCANNING

type: boolean keyword (YES or NO)
menu equivalent: Options/Scan Asynchronously

this option tells MysticView to scan asynchronously, and to

immediately start loading the first file that has been
identified as a picture.

picture recognition via datatypes is slow, and with this
option you can start watching a slideshow while scanning is
still running.

the consequences may be confusing, when pictures are inserted
to the list in a different order than they finally appear in
the list.

for example, if you start watching a slideshow in random order,
and when the picture list is still growing, the current picture
may wander inside the list while scanning, because pictures may
need to be inserted BEFORE the current picture.

you can compare this to the behavior of asynchronously updating
filerequesters. the currently selected entry may wander
downwards in the list. but picture lists behave a bit more
nasty.

default: NO

see also
   SORTMODE
   SIMPLESCANNING

1.89 AUTOCLEAR

AUTOCLEAR

type: boolean keyword (YES or NO)
menu equivalent: Settings/After Last Picture/Clear List

this option tells MysticView to automatically clear
the current picture list after the last picture.

this option is ignored when MysticView is in LOOP mode.

the AUTOCLEAR feature might be useful when you are
remote-controlling MysticView with the APPEND option.

see also
   LOOP
   APPEND
   AUTOSTOP

1.90 AUTOSTOP

AUTOSTOP

type: boolean keyword (YES or NO)

menu equivalent: Settings/After Last Picture/Stop Slideshow

this option tells MysticView to automatically disable
slideshow mode after the last picture in a list.

this option is ignored when MysticView is in LOOP mode.

see also
   LOOP
   AUTOCLEAR

1.91   DEFAULTTOOL

DEFAULTTOOL

type: string
menu equivalent: none

specify a default tool for project icons created with
MysticView's thumbnail feature.

default: 'mysticview'

see also
   CREATETHUMBNAILS

1.92   FILTERPICTURES

FILTERPICTURES

type: boolean keyword (YES or NO)
menu equivalent: Options/Show Pictures Only

this option tells MysticView to filter entries in
filerequesters, i.e. to remove all entries that are
not identified as pictures. recognition is done
via datatypes and might be slow.

default: NO

see also
   REJECTPATTERN

1.93   HIDEONCLOSE

HIDEONCLOSE

type: boolean keyword (YES or NO)
menu equivalent: none

when enabled, MysticView hides when the close button
is clicked.

default: NO (MysticView quits)

see also
  HIDEONESCAPE

1.94   HIDEONESCAPE

HIDEONESCAPE

type: boolean keyword (YES or NO)
menu equivalent: none

when enabled, MysticView hides when the escape key
is pressed.

default: NO (MysticView quits)

see also
  HIDEONCLOSE

1.95   MARKCOLOR

MARKCOLOR

type: string, representing a hexadecimal number
menu equivalent: none

specify a hexadecimal RGB value (0xRRGGBB) for
highlighting display elements, such as grid lines,
arrows, cursor.

default: bright green

see also
  TEXTCOLOR
  BGCOLOR

1.96   TEXTCOLOR

TEXTCOLOR

type: string, representing a hexadecimal number
menu equivalent: none

specify a hexadecimal RGB value (0xRRGGBB) for
the picture-info textline.

```
default: white

see also
    MARKCOLOR
    BGCOLOR
```

1.97 RESETDISPLAY

```
RESETDISPLAY

type: boolean keyword (YES or NO)
menu equivalent: Options/Reset Display

when enabled, automatically reset the attributes
zoom, cursor position, and rotation between pictures.

default: YES
```

1.98 REVERSE

```
REVERSE

type: boolean keyword (YES or NO)
menu equivalent: Settings/Sort Pictures by/Reverse Order

when enabled, reverse the picture list's sort
direction. the combination 'reversed random' makes
few sense, admittedly.

default: NO

see also
    SORTMODE
```

1.99 SHOWARROWS

```
SHOWARROWS

type: boolean keyword (YES or NO)
menu equivalent: Options/Show Arrows

when enabled, draw arrows at the picture's
borders, when it is not fully visible in the
respective direction.

default: YES

see also
    MARKCOLOR
```

1.100   SHOWBUTTONS

```
SHOWBUTTONS

type: boolean keyword (YES or NO)
menu equivalent: Options/Show Buttons

when enabled, display a bar of control buttons at
the window's upper border.

default: YES

see also
  button usage
  BUTTONPIC
```

1.101   SHOWPIP

```
SHOWPIP

type: boolean keyword (YES or NO)
menu equivalent: Options/Show PIP

when enabled, show a small PiP (picture-in-picture)
frame in the window's upper left, and draw a border
around the currently visible area.

very nice, but not fully working. this feature is
experimental, do not enable it on scalable windows.

default: NO

see also
  MARKCOLOR
```

1.102   SMOOTHDISPLAY

```
SMOOTHDISPLAY

type: boolean keyword (YES or NO)
menu equivalent: none

when enabled, interpolate the display parameters
(position and zoom factor. rotation is not considered).

this feature smoothens modifications on the display,
such as resetting the position or the zoom factor.

this feature is GREAT FUN in combination with
PREVIEWMODE=OPAQUE on fast displays, such as ZorroIII
graphics cards, 8bit displays, and with a fast processor.
```

when you've got no 68060, you may also use it in
combination with PREVIEWMODE=GRID, but a fast display
hardware is still recommended.

default: NO

see also
  PREVIEWMODE

1.103 COPYPATH

COPYPATH

type: string
menu equivalent: Project/Copy Picture to/...

'standard' destination path for copying and
moving. this setting is automatically saved
in MysticView's global configuration.

default: undefined

see also
  configuration

1.104 mouse usage

mouse usage

- a picture that is not fully visible can be dragged around
  with the mouse, when the menu item 'Options/Mouse Drag Picture'
  is enabled.

- clicking the left mouse button advances to the next
  picture when 'Options/Mouse Drag Picture' is disabled.

there are two hidden gadgets, when MysticView runs
in fullscreen borderless mode (WINSIZEMODE=FULL and
BACKDROP=YES): the window's upper-left is a close gadget,
the upper-right acts as a depth-gadget.

see also
  LMBACTION
  menu reference

1.105 button usage

button usage

the buttons are (from left to right)

```
1 open pictures
  this button also acts as a progress indicator for
  scanning and loading.

2 first picture
  go to the first picture in the list, and disable
  SLIDESHOW mode.

3 previous picture
  go back one picture in the list, and disable
  SLIDESHOW mode.

4 next picture
  advance to the next picture in the list.

5 SLIDESHOW

6 LOOP

7 displaymode
  toggle displaymode between "Scale with Aspect"
  (indicated by a double-arrow) and "Display 1:1 Pixel".
  refer to DISPLAYMODE for further details.

8 reset
  reset display settings zoom, cursor position and
  rotation.

buttons can be toggled with the 'B' key and
with the menu item 'Options/Show Buttons'.

see also
  menu reference
  keyboard usage
  configuration
  BUTTONPIC
  ANIMPIC
```

1.106   project menu

```
project menu

Project
------------------
Clear List            clear the current picture list, and
                      flush the current picture.
------------------
Open Pictures...      open pictures (and create a new list).
Open List File...     open a list with a listfile's entries.
------------------
Add Pictures...       add pictures to the current list.
Add List File...      add a listfile to the current list.
------------------
Save List as...       save the current list to a listfile.
```

```
------------------
Copy Picture to...     copy the current picture to a path.
                       see also: DESTPATH.
Move Picture to...     move current picture to a path. the
                       picture is not removed from the list.
------------------
Delete Picture         delete the current file, and remove the
                       picture from the list.
------------------
About...               program and key licensee information
------------------
Hide                   iconify. see also: ICONIFY, AUTOHIDE,
                       HIDEONESCAPE, HIDEONCLOSE.
Quit                   quit.


see also
  menu reference
```

1.107   picture menu

```
picture menu

Picture
------------------
Next                   next picture in the list.
Previous               previous picture in the list.
First                  first picture in the list.
------------------
Remove                 remove current picture from the list.
------------------
Move                   move picture cursor. see also: SHOWCURSOR.
Zoom                   zoom in/out. see also: ZOOMSTEP.
Rotate                 rotate picture. see also: ROTATESTEP.
Reset All              reset position, zoom, and rotation.
------------------
Flip Horizontally      flip picture along the x-axis$^1$.
Flip Vertically        flip picture along the y-axis$^1$.
Negative               invert colors$^1$.

$^1$ these functions affect pictures in the cache. when
they are redisplayed, they will be still modified. when
they have to be reloaded, they appear in the original form.

see also
  menu reference
```

1.108   options menu

```
options menu

Options
```

```
------------------
Slideshow               see: SLIDESHOW
Loop                    see: LOOP
------------------
Scale with Aspect       see: DISPLAYMODE
Display 1:1 Pixel       see: DISPLAYMODE
Learn                   see: AUTODISPLAYMODE
------------------
Show Buttons            see: SHOWBUTTONS
Show Picture Info       see: PICINFO
Show Arrows             see: SHOWARROWS
Show PIP                see: SHOWPIP
Show Cursor             see: SHOWCURSOR
------------------
Mouse Drag Picture      see: LMBACTION
Reset Display           see: RESETDISPLAY
Auto File Requester     see: REQUESTFILE
Show Pictures Only      see: FILTERPICTURES
Autocrop Pictures       see: AUTOCROP
Scan Asynchronously     see: ASYNCSCANNING
Create Thumbnails       see: CREATETHUMBNAILS
Append Drag'n'Drop      see: APPENDICONS

see also
  menu reference
```

1.109   settings menu

```
settings menu

Settings
------------------
Screen...               see: SCROPENMODE, PUBSCREEN, MODEID
Window...               see: WINSIZEMODE, WINOPENMODE, BACKDROP.
                        'Snap' will set WINSIZEMODE and WINOPENMODE
                        to DEFAULT, and insert the current window
                        parameters into the settings WINWIDTH,
                        WINHEIGHT, WINLEFT, and WINTOP.
------------------
Slideshow Delay...      see: SLIDEDELAY
Sort Pictures by...     see: SORTMODE
After Last Picture...   see: AUTOQUIT, AUTOHIDE, AUTOSTOP, AUTOCLEAR
Picture Cache...        see: BUFFERPERCENT
Rendering...            see: STATICPALETTE, PREVIEWMODE, DITHERING.
------------------
Load Preset...          load alternate configuration file.
Save as Preset...       save current configuration in a preset file.
Use Preset...           10 slots for quick access to different
                        preset files. see also: PRESET
------------------
Reset to Defaults       use MysticView's hardcoded defaults.
Last Saved              reload settings from the icon.
Restore                 reset to the initial configuration. this means
                        the icon settings, being overridden by
                        preset files and commandline arguments.
```

```
------------------
Auto Save Settings      see: AUTOSAVESETTINGS
Save Settings           save the current configuration in the
                        icon's tooltypes.
```

see also
  configuration
  preset files
  menu reference

1.110 picformat

```
PICFORMAT

type: string
menu equivalent: none

format string for the picture information text.

placeholders,
currently defined:

%p - pathname
%f - filename
%w - width
%h - height
%d - depth (always 8 or 24)
%n - picture format as returned by the datatype.
     note: there is no format string available
     in SIMPLESCANNING mode.

default: %f - %w$\times$%h$\times$%d
```

see also
  PICINFO
  SIMPLESCANNING

1.111 classic opus configuration

```
DirectoryOpus configuration using LISTFILE

the configuration of picture series turns out to be a
little bit more tricky, because DirOpus cannot pass an
unlimited number of files to a single command line, and
we do not want to start MysticView multiple times for a
large number of pictures.

in my personal Opus configuration, I use the 'User1' filetype
action to 'show' something. if you use a similar concept, enter
the appropriate 'User' section in the 'Picture' filetype
configuration, and enter the following lines:
```

```
AmigaDOS        list >>t:piclist{Ql} {F} LFORMAT "%P%N"
AmigaDOS        mysticview listfile=t:piclist{Ql}
AmigaDOS        delete t:piclist{Ql}
```

Flags: run asynchronously

this will concatenate the selected entries to a MysticView
LISTFILE, and finally call MysticView with the listfile
instead of the pictures themselves.

see also
   general DOpus configuration
   general filetype configuration
   DOpus configuration using the APPEND option
   Browse directories with MysticView
   using a special PRESETFILE with DOpus

1.112   opus configuration with the APPEND option

DirectoryOpus configuration using the APPEND option

the new APPEND option of MysticView allows you to pass
arguments without a fuss and with very few consideration.

AmigaDOS MysticView APPEND {F}

flags:
- run asynchronously

this will append selected entries to an already running
instance of MysticView, and if MysticView was not running,
start it first.

thanks to DirectoryOpus' ability to split the selected
entries into multiple commandlines, this simple configuration
will pass all selected pictures to MysticView, without
starting it multiple times.

see also
   general DOpus configuration
   general filetype configuration
   classic DOpus configuration using listfiles
   browse directories with MysticView
   using a special PRESETFILE with DOpus

1.113   DOpus config to browse directories with MysticView

configure DOpus to browse directories with MysticView

this is really a hot one, especially when you're using
DirectoryOpus as a Workbench replacement.

you can tell DirOpus to invoke MysticView with the
RMB popup-menu, and pass it the selected directory.

1. create a new filetype.

2. enter the filetype definition section.

3. name the filetype "directory" and add the
   matching argument "Directory".

4. go back to the filetype editor.

5. add an entry to this filetype's icon menu.
   name it "Browse with MysticView".

6. enter the command

   AmigaDOS MysticView APPEND {F}

   flags: run asynchronously

ready to go. now you can select a directory, hold the right
mouse button, and then select "Browse with MysticView" in
the popup menu. MysticView will then start up and show the
directory's contents (provided that there are pictures in it).

see also
  general DOpus configuration
  general filetype configuration
  classic DOpus configuration using LISTFILE
  DOpus configuration using the APPEND option
  using a special PRESETFILE for DOpus

1.114   special MysticView PRESETFILE for DirOpus

using a special PRESETFILE with Directory Opus

we're not finished yet. MysticView's integration into
Directory Opus can be improved even further.

create a special 'DirOpus' presetfile for MysticView, and
include it with the PRESETFILE argument in the Opus
commandline.

specify these settings in the MysticView presetfile:

WINOPENMODE=CENTER
WINSIZEMODE=HALF
AUTOQUIT=YES

this will cause MysticView to pop up over the mouse pointer
with a small window, show all the directories' contents,
and then automatically quit.

  general DOpus configuration

```
general filetype configuration
classic DOpus configuration using LISTFILE
DOpus configuration using the APPEND option
Browse directories with MysticView
```

1.115 general DirOpus filetype configuration

general DirOpus filetype configuration

there are different approaches to integrate MysticView to
DirectoryOpus. but first of all, create a general filetype
for pictures. a common mistake is to create a seperate
filetype entry for each file format. this is very redundant,
since DirOpus supports filetype recognition via datatypes.

1. 'add' a filetype.

2. enter the 'edit class' window.

3. name the class 'Picture', and give it a higher priority
   than your other picture format filetypes.

4. Add the match criteria 'Match DT Group' ... 'Picture'.

go back to the 'Picture' filetype configuration. for the
'doubleclick' action, I simply use

AmigaDOS   mysticview {f}

Flags: run asynchronously

this is all you need, provided that MysticView is located in
the default search path (sys:utilities/ normally is).

for the advanced configuration, refer to the following
sections. they will cover different ways of calling
MysticView with an unlimited number of pictures, and how
to create an advanced MysticView configuration for DOpus.

```
see also
  general DOpus configuration
  using listfiles with DOpus
  using the APPEND option with DOpus
  browse directories with MysticView
  using a special PRESETFILE for DOpus
```

1.116 advanced usage

advanced topics

many details of MysticView are not so obvious, when
you just have a look at its window and menus.

some advanced topics are discussed in this section.

```
  philosophy              I never planned to write a viewer
  list management         it's a fully-featured picture manager
  realtime behavior
```

see also
```
  configuration
  general usage
```

1.117 MysticView philosophy

philosophy

1 MysticView was programmed 'bottom-up', not 'top-down'.

   most GUI applications are designed 'top-down', i.e. there
   are first the windows, and the GUI elements are then filled
   with functionality one after the other.

   MysticView was half-finished long before there was a main
   window, and long before I decided to write a viewer.
   the RTG and realtime capabilities come from its libraries,
   and MysticView was in first place a test-environment for
   render.library and guigfx.library – it's still that.

   I was always upset about the fact that most Amiga viewers
   are too much bound to the Amiga hardware. that was the
   initial idea for MysticView, once there have been the
   libraries anyway. I was an early owner of a graphics card of
   the 'cybergraphics generation', and I always wanted to
   abstract viewing from hardware. now there are some viewers
   available for the Amiga that are ONLY running on truecolor
   cybergraphics, which isn't any better than opening a PAL
   LORES screen when the ILBM header contains that mode ID.

   MysticView was never designed for a special group of
   users, I've always tried to solve problems as common as
   possible, but I did not care of hardware limitations that
   I had not to suffer from... that's one of the reasons why
   MysticView is such a memory-hog, besides from abstraction
   from screenmodes and pixel formats.

2 there are better viewers than MysticView.

   when you are willing to accept specialized solutions
   for particular hardware. I think that Visage is still
   the best viewer for slower hardware and less memory, and
   especially for directly viewing images on designated
   screen modes. PIP viewers do better on the PicassoIV
   graphics card, and there are many other combinations
   of software and hardware that can easily outperform

MysticView.

3 datatypes do not suck.

datatypes are great. let authors solve problems for
the whole community by writing good datatypes!

and finally, PPC was a great benefit for MysticView,
although I don't even have a PPC card. if there is some
thankful job that can be done with PPC hardware, then
it's decoding – especially images and animations.

I never would have created a viewer if I had to
implement loaders.

see also
    known problems
    insufficiencies
    getting datatypes

1.118   picture management

picture management

MysticView is a fully-featured picture-manager, including
thumbnails and list-management.

the thumbnails have been outsourced and delegated to the
Workbench throughout newicon.library. the current Workbench
is admittedly not very efficient in displaying these
thumbnails, but it works. it's limited, but reliable. you
can sort the pictures by different criteria, browse lists,
double-click an icon and MysticView pops up with that image.

when you're using a Workbench replacement such as Scalos or
Directory Opus, then managing picture lists with
MysticView's icons is by far not the least efficient way.
last not least, the icon approach does not introduce a new
concept that is not widely accepted. it's quite sufficient if
you can live with the limitations.

the other point is that MysticView finally supports all the
functionality that is required for list management.

– lists can be sorted by 6 different sort criteria:
  scan order, filename, combined path+filename, random,
  date, size, plus reverse order.

– pictures and lists can be concatenated to a list by
  various ways: Add Pictures..., Add List File..., APPEND
  option.

– lists can be saved.

– entries can be removed from a list (Picture Menu/Remove).

– pictures can be copied, moved, and deleted.

the list-format of MysticView couldn't be more simple
and straight-forward: it's a plain ASCII textfile of
filenames.

I consider this implementation of a 'picture manager'
rudimentary, not very comfortable, but yet complete.

see also
    CREATETHUMBNAILS
    APPEND
    LISTFILE
    SORTMODE
    menu reference

1.119   preset files

preset files

preset files are another way for MysticView to save its
configuration. they are called 'preset files' because they
are handled the same way as alternate configurations of
the Workbench preference programs.

when you save the configuration by selecting
'Settings/Save Settings', then the configuration items
will be saved into MysticView's icon tooltypes.

when you snapshot the current configuration as a preset file
via 'Settings/Save as Preset...', then the current configuration
items will be saved as a plain ASCII text file, and a project
icon will be added, with MysticView being the default tool.
thus MysticView can be started with a preset configuration by
simply double-clicking such an icon.

the configuration items used in preset files are identical
to the respective tooltype items.

a special mechanism is included to partially override the
default configuration with a preset file: the main configuration
is first read from the icon, and then all items that appear in a
preset file are used to override their respective defaults.

this makes it very easy to create 'brands' of your default
configuration: simply remove all configuration items from
preset files that are of no particular interest. only these
will be used to override the defaults, the other items
remain unaffected.

see also

```
   PRESETFILE
   PRESETPATH
   menu reference
   examples supplied with the distribution
```

1.120 SIMPLESCANNING

```
SIMPLESCANNING

type: boolean keyword (YES or NO)
menu equivalent: none

when enabled, MysticView's scanner will scan directories more
quickly, and add all files found without checking them for
loadability.

later, when files turn out to be not loadable as pictures,
they will be silently removed from the picture list, without
further notice.

whether this mode is useful depends on the disk speed, and on
your typical way of accessing directories. i found it extremely
useful for samba network devices, because loading is quite fast,
but accessing directories and checking for datatype loadability
is slow.

default: NO

see also
   ASYNCSCANNING
```

1.121 APPENDICONS

```
APPENDICONS

type: boolean keyword (YES or NO)
menu equivalent: Options/Append Drag'n'Drop

when enabled, MysticView appends pictures to the filelist,
when they are drag'n'dropped on the main window.

when disabled, drag'n'drop will replace the current
filelist with newly encountered pictures.

default: NO
```