085c5030-0

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COLLABORATORS

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

085c5030-0

1.1 MysticView

```
          MysticView
  datatype picture viewer


          ~~introduction~~~~~~~~~

          ~~copyright~~~~~~~~~~~~

          ~~features~~~~~~~~~~~~~

          ~~disclaimer~~~~~~~~~~~

          ~~insufficiencies~~~~~~

          ~~distribution~~~~~~~~~

          ~~requirements~~~~~~~~~

          ~~shareware~~~~~~~~~~~~

          ~~displaying~pictures~~

          ~~submissions~~~~~~~~~~

          ~~main~window~usage~~~~

          ~~author~~~~~~~~~~~~~~~

          ~~configuration~~~~~~~~

          ~~getting~datatypes~~~~

          ~~examples~~~~~~~~~~~~~

          ~~DirOpus~config~~~~~~~

          ~~acknowledgements~~~~~
```

~~known~problems~~~~~~~

~~history~~~~~~~~~~~~~~

1.2 introduction

introduction

MysticView is an easy-to-use picture viewer with modern
features, providing excellent display quality and great
flexibility.

see also

~~features~~~~~~~~~

~~insufficiencies~~

1.3 features

features

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

– user and system friendly:
  integrates perfectly to your system – opens a scalable
  (or borderless) window on your workbench, or on any public
  or custom screen.

– free scaling:
  scales images to the required dimensions automatically, with
  respect to the aspect ratios of both the screen and the
  picture.

– display quality:
  features highly elaborated color quantization and rendering.
  floyd–steinberg and EDD dithering are available on displays
  with 256 or less colors, and on HAM screens.

– heavily multithreaded:
  uses massive internal multitasking for an user–compliant
  behavior. the main window stays usable while loading, drawing,
  copying, scanning, ...

– highly configurable:
  has got innumerous configuration details to suit your personal
  taste. you can create up to 10 different configurations covering
  any detail – to be invoked with a single keystroke.

see also

```
              ~~insufficiencies~~
```

1.4 insufficiencies

```
                 insufficiencies
```

 – MysticView is fully dependent from datatypes, since there are
   no custom loading routines 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.

 see also

```
              ~~requirements~~~~~~~

              ~~known~problems~~~~~

              ~~getting~datatypes~~
```

1.5 requirements

```
                requirements
```

 – os3.0 (v39)
 – 68020, minimum suggested: 68030/50
 – lots of memory, minimum suggested: 16 mb
 – datatypes.library v39 (suggested: v43)

 supports

 – higher cpu, fpu
 – os3.1 (v40)
 – cybergraphics, picasso96
 – newicon.library v40
 – neuralnet.library v2

 see also

```
              ~~getting~datatypes~~
```

1.6 usage

                          main window usage

  mouse control:

  – when a picture is not fully visible, it can by default be
    dragged around with the mouse. optionally, MysticView can
    be configured to advance to the next picture when the left
    mouse button is clicked. see setting
                    LMBACTION
                      .

  keyboard control:

  – escape
    quit MysticView

  – tab
    zip/unzip window

  – enter or space or n
    next picture

  – . or p
    previous picture

  – s
    start/stop slideshow

  – i
    toggle picture information

  – c
    toggle picture cursor

  – + and –
    zoom picture by an factor defined throughout
                  ZOOMSTEP
                    – *
    reset zoom factor to 1

  – [and]
    rotate left/right by an angle defined throughout
                  ROTATESTEP
                    – /
    reset rotation to an angle of 0 degrees

  – arrow keys / ALT arrow keys / SHIFT arrow keys
    scroll inside a zoomed picture

  – #
    reset position

  – f1 ... f10
    copy the current picture to a configurable path.

– SHIFT f1 ... SHIFT f10
  move the current picture to a configurable path.

– CTRL f1 ... CTRL f10
  use one of 10 configurable presets.

– 1 ... 5
  displaymodes:
  1 'keep aspect min' mode
  2 'keep aspect max' mode
  3 'onepixel' mode
  4 'ignore aspect' mode
  5 'fit' mode

  see
              DISPLAYMODE
               for details

– x
  flip picture horizontally

– y
  flip picture vertically

– ~
  invert picture

1.7   configuration

                configuration

the following keywords are available throughout tooltypes,
shell arguments, and in preset files. exceptions:
              LISTFILE
              ,

              PRESETFILE
               and
              DEFAULT
               are only available in the commandline.

note: the keywords are always case-insensitive.

              ~~AUTOCROP~~~~~~~~~~~~~
                  automatically remove blank borders

              ~~AUTODISPLAYMODE~~~~~~
                  let MysticView guess the display mode.

              ~~AUTOHIDE~~~~~~~~~~~~~
                  hide after last picture

              ~~AUTOQUIT~~~~~~~~~~~~~
                  quit after last picture

~~AUTOSAVESETTINGS~~~~~
   save settings at exit

~~AUTOTHUMBNAIL~~~~~~~~
   create thumbnails automatically

~~BACKDROP~~~~~~~~~~~~~
   borderless backdrop window

~~BGCOLOR~~~~~~~~~~~~~~
   window's background color

~~CONFIRM~~~~~~~~~~~~~~
   suppress annoying "are you sure" requesters

~~CX_POPKEY~~~~~~~~~~~~
   hotkey command sequence

~~CX_PRIORITY~~~~~~~~~~
   hotkey command priority

~~CX_POPUP~~~~~~~~~~~~~
   open in iconified state?

~~DEFAULT~~~~~~~~~~~~~~
   use hardcoded defaults

~~DEPTH~~~~~~~~~~~~~~~~
   custom screen depth

~~DISPLAYMODE~~~~~~~~~~
   pixel aspects, scaling and more

~~DITHERING~~~~~~~~~~~~
   enable dithering

~~DITHERMODE~~~~~~~~~~~
   Floyd-Steinberg or EDD

~~FONTSPEC~~~~~~~~~~~~~
   font specifier

~~HAM~~~~~~~~~~~~~~~~~~
   open HAM screen

~~HIDEWITHPICTURE~~~~~~
   keep image when iconified

~~ICONIFY~~~~~~~~~~~~~~
   iconify mode

~~KEEPIMAGE~~~~~~~~~~~~
   keep current image while loading

~~LISTFILE~~~~~~~~~~~~~
   listfile to use at startup

~~LMBACTION~~~~~~~~~~~
   left mouse button behavior

~~LOOP~~~~~~~~~~~~~~~~~
   loop eternally

~~MODEID~~~~~~~~~~~~~~~
   screen mode id

~~PICINFO~~~~~~~~~~~~~~
   display info textline

~~PRECISION~~~~~~~~~~~~
   for screen-pen allocation

~~PRESETFILE~~~~~~~~~~~
   configuration to load at startup

~~PRELOAD~~~~~~~~~~~~~~
   load next pictures in the background

~~PREVIEWMODE~~~~~~~~~~
   realtime update when scaling/scrolling

~~PRIORITY~~~~~~~~~~~~~
   task priorities

~~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

~~ROTATESTEP~~~~~~~~~~~
   in degrees

~~SCREENASPECTX/Y~~~~~~
   correct biased screen aspects

~~SCROPENMODE~~~~~~~~~~
   public, custom, or default screen

~~SCRWIDTH,~SCRHEIGHT~~
   let MysticView choose your screenmode

```
            ~~SHOWCURSOR~~~~~~~~~~~
                imaginary image cursor

            ~~SLIDEDELAY~~~~~~~~~~~
                delay between pictures

            ~~SLIDESHOW~~~~~~~~~~~~
                advance to the next picture automatically

            ~~SORTMODE~~~~~~~~~~~~~
                none, alpha, date

            ~~STARTPIC~~~~~~~~~~~~~
                for those who HATE MysticView's logo

            ~~STATICPALETTE~~~~~~~~
                static palette, quicker and dirtier

            ~~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

    see also

            ~~examples~~~~~~~~

            ~~DirOpus~config~~
```

1.8 history

```
            history
```

```
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 (YES or NO)

automatically save settings at exit.

default: NO
```

1.10 BACKDROP

```
BACKDROP
```

```
type: boolean (YES or NO)
```

```
open MysticView on a backdrop borderless window.
```

```
default: NO
```

1.11 BGCOLOR

```
BGCOLOR
```

```
type: string representing a hexadecimal number
```

```
the background's RGB value.
```

```
default: 000849
```

1.12 DEFAULT

```
DEFAULT
```

```
type: switch
```

```
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
```

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

```
default: the Workbench's depth.
```

```
see also
```

```
            ~~SCROPENMODE~~
```

1.14 DESTPATH

```
DESTPATH0 ... DESTPATH9
```

type: string

10 configurable destination paths for quick copying/moving.

defaults: none

1.15 DISPLAYMODE

DISPLAYMODE

type: keyword

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.

  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.

  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.

  IGNOREASPECT
  ignore all aspect ratios. represent each pixel in the
  image by one pixel on the screen.

  FIT
  do not care about aspects and zoom at all. the image will
  always fit exactly to the window's dimensions.

  default: KEEPASPECT

1.16 DITHER

                DITHERING

type: keyword

dither activation mode

  OFF
  never use dithering

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

   AUTO
   automatically activate dithering when the image would
   lose too much color information.
```

default: AUTO

see also

        ~~DITHERMODE~~

1.17 HAM

        HAM

type: boolean (YES or NO)

use this tooltype in combination with
        SCROPENMODE
        set to CUSTOM for
MysticView to open a HAM screen. Don't forget to specify
        DEPTH
        =6
respectively
        DEPTH
        =8.

default: NO

see also

        ~~SCROPENMODE~~

        ~~DEPTH~~~~~~~~

1.18 KEEPIMAGE

KEEPIMAGE

type: boolean (YES or NO)

keep the current image while another is loaded.

default: NO

1.19 LISTFILE

LISTFILE

type: string

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.

1.20 LISTPATH

                    LISTPATH

type: string

start path for the
            LISTFILE
              filerequester.

default: none

1.21 MODEID

MODEID

type: string representing a hexdecimal number

desired screenmode ID for a custom screen.

default: none.

1.22 RECURSE

RECURSE

type: boolean (YES or NO)

this option turns on recursive directory scanning.

1.23 PRECISION

PRECISION

type: keyword

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

1.24 PREVIEWMODE

PREVIEWMODE

type: keyword

type of window refresh while scaling and scrolling

  NONE
  no realtime update takes place.

  GRID
  a 10x10 grid is drawn instead of the picture.

  OPAQUE
  this option enables realtime scaling and scrolling
  with the full window contents. this option increases
  memory consumption dramatically and should be enabled
  only on systems with a fast CPU.

default: NONE

1.25 PUBSCREEN

                PUBSCREEN

type: string

with this keyword you can specify a public screen's name for
MysticView to open its window upon.

default: default public screen

see also

~~SCROPENMODE~~

1.26 STATICPALETTE

STATICPALETTE

type: boolean (YES or NO)

this option will cause MysticView to use a static palette. this
mode is faster, but the display quality will suffer.

there is another major advantage, though: a static palette allows
smoother transitions between pictures on non-truecolor displays.

note: meaningless for truecolor screens.

default: NO

1.27 REFRESHMODE

REFRESHMODE

type: keyword

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
    - at the cost of a higher memory usage.

default: SMART

1.28 RENDERQUALITY

RENDERQUALITY

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

    LOW
    lower memory consumption and faster,
    at the cost of accuracy.

    HIGH

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

```
default: LOW
```

1.29 REQUESTFILE

```
                  REQUESTFILE
```

```
type: boolean (YES or NO)
```

```
open a file requester at startup. it is also considered
when a list of pictures has been processed and
              LOOP
                  is turned off.
```

```
see also
```

```
              ~~LOOP~~
```

1.30 SCREENASPECTX SCREENASPECTY

```
SCREENASPECTX, SCREENASPECTY
```

```
type: numeric
```

```
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
```

1.31 SCREENWIDTH SCREENHEIGHT

```
SCRWIDTH, SCRHEIGHT
```

```
type: numeric
```

```
desired width and height for a custom screen (in pixels).
```

```
default: none
```

1.32 SLIDEDELAY

```
SLIDEDELAY
```

```
type: numeric
```

```
number of seconds until the next picture is displayed
in slideshow mode.
```

```
default: 10
```

1.33 SLIDESHOW

```
SLIDESHOW
```

```
type: boolean (YES or NO)
```

```
activate the slideshow mode.
```

1.34 STARTPATH

```
STARTPATH
```

```
type: string
```

```
specifies the start path for MysticView's file requester.
```

```
default: not defined
```

1.35 WINLEFT WINTOP

```
                WINLEFT, WINTOP
```

```
type: numeric
```

```
upper left position for the window on the screen. these
coordinates are only considered when
            WINOPENMODE
             is set
to DEFAULT.
```

```
default: system's default window position
```

1.36 WINOPENMODE

```
                WINOPENMODE
```

```
type: keyword
```

```
specify window location 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.

MOUSE
open the window centered under the mouse pointer.

default: CENTER

1.37   WINSIZEMODE

```
                WINSIZEMODE
```

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

1.38   WINWIDTH WINHEIGHT

```
                    WINWIDTH, WINHEIGHT
```

type: numeric

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

default: the system's default window size

1.39   display pictures

```
              displaying pictures


              ~~command~line~~~~

              ~~listfile~~~~~~~~

              ~~icon~start~~~~~~

              ~~drag'n'drop~~~~~

              ~~file~requester~~
                note:
```

files not being recognized as pictures are simply ignored and
won't cause annoying requesters. you may scan whole directories
(or devices) for pictures. there is a drawback, though: image
recogniton via datatypes is quite slow – this depends on the
datatypes installed to your system. MysticView can be aborted at
any time, but sometimes it might appear as if it would have
deadlocked. don't worry.

see also:

```
              ~~known~problems~~
```


1.40   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~~~~~~~
```

1.41   specify pictures via listfile

specifying pictures via listfile

specify a list file 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)#?
```

1.42   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.

1.43   specify pictures via iconstart

specifying pictures via icon start

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.

1.44   specify pictures via file requester

```
specifying pictures via filerequester

select "Open Picture(s)..." from the project menu and select
one or multiple files or drawers.

select "Open List File..." from the project menu and select
a list file.

a list file is a plain text file that might look 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)#?
```

1.45   disclaimer

```
disclaimer

this software is provided "as-is" without any warranty, either
expressed or implied. the author accepts no responsibility for
damage and/or loss of data/equipment resulting from the use of
this software.
```

1.46   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.
```

1.47   shareware

```
shareware

this software is shareware. if you like it and use it
frequently, please send me an equivalent to US $10 or DM 15.

include cash, international money order or cheque. coins in
currencies different from german marks cannot be accepted.
cheques are only accepted from within germany. make
international money orders and cheques payable to timm s.
```

mueller.

currently, MysticView is only slightly limited for
non-registered users – sometimes a picture contains a small
registration reminder.

thank you very much for your support.

1.48   author

author

captain bifat / TEK neoscientists

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the electronic knights homepage and support site for
MysticView, guigfx.library and render.library:
http://come.to/neoscientists

1.49   copyright

copyright

the entire MysticView software package is
© copyright by TEK neoscientists.

1.50   distribution

distribution

this software may be redistributed freely, as long as there are
no changes made to any part of this software or documentation.
no parts of this package may be omitted or altered by any means
except for archiving.

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distributing this piece of software without the author's written
permission. this includes fees for costs of physical media.
explicitley excluded from this limitation are legal distributors
of the aminet software archive.

1.51   acknowledgements

1.52   known problems

known problems

– 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 background picture handler turned out to be unreliable:
  deleting, moving and renaming when a slideshow is running
  is dangerous. Sometimes there are other pictures renamed in
  or removed from the list, and MysticView can even throw
  Enforcer Hits. Unfortunately these bugs cannot be fixed
  easily, a redesign and rewrite of the background picture
  handler is due. :-(

– MysticView isn't very well designed for access to slow
  media. devices can be accessed by a virtually unlimited
  number of tasks – mainly for scanning, loading, and
  background loading (besides copying, moving and deleting).
  on slow media, avoid the option
            SORTMODE
            =NONE. this will
  improve overall performance, since loading won't start
  before all directories have been scanned and all files
  have been recognized.

– 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
  that cursor. use the

```
        SHOWCURSOR
         option to make the cursor visible.
```

- Executive: MysticView has no problems with this multitasking
  scheduler. anyway i do not explicitly advise to use it.
  MysticView uses a sophisticated hierarchy of tasks with
  different priorities, and it works slightly smoother without
  Executive. Minor problems might occur in slideshow mode.

- There is a Cybergraphics (v41) function that behaves quite
  strange: ScalePixelArray(). This function might be applied
  for scaling truecolor data to true- or hicolor displays. If
  you do not like the way MysticView scales images on truecolor
  displays, set the environment variable
  guigfx/USESCALEPIXELARRAY to 0.

- When you encounter MysticView's loading task crashing, it is
  very likely that the involved datatype caused the trouble.
  Replace the datatype and retry. (Please contact me instantly
  if this doesn't help)

see also

```
        ~~insufficiencies~~~~

        ~~getting~datatypes~~
```

1.53 PRELOAD

PRELOAD

type: boolean (YES or NO)

toggle background preloading of the next picture.

default: NO

1.54 DITHERMODE

```
        DITHERMODE
```

type: keyword

set dithermode. available are

```
  EDD
  use EDD dithering (slightly faster)

  FS
  use Floyd-Steinberg dithering (slightly better)
```

default: EDD

see also:

                    ~~DITHERING~~

1.55   STARTPIC

STARTPIC

type: string

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: none (internal startup picture will be used)

1.56   PRESETPATH

PRESETPATH

type: string

preferred path to MysticView's presets.

default: undefined

1.57   PRESETFILE

PRESETFILE

type: string

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

default: none (settings are read from MysticView's icon)

1.58   LOOP

LOOP

type: boolean (YES or NO)

this option turns on looping for series of pictures.

default: NO

1.59 AUTOQUIT

AUTOQUIT

type: boolean (YES or NO)

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

default: NO

see also

~~AUTOHIDE~~

1.60 SORTMODE

SORTMODE

type: keyword

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. this mode has the advantage that
loading starts immediately after the first picture has been
encountered. further scanning takes place in the background.

RANDOM
random order. all filenames, patterns or directories will
be scanned before MysticView starts loading the first image.

ALPHA
alphabetical order (a-z). all filenames, patterns or
directories will be scanned before MysticView starts loading
the first image.

default: NONE

see also

~~known~problems

1.61 ZOOMSTEP

```
ZOOMSTEP

type: string representing a number

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

default: 0.1
```

1.62   PRESET0...9

```
PRESET0 ... PRESET9

type: string

10 configurable preset files to be quickly accessed with
CTRL F1 ... CTRL F10.

defaults: none
```

1.63   SHOWCURSOR

```
SHOWCURSOR

type: boolean (YES or NO)

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
```

1.64   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
              =5
```

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

   MysticView
```
              winsizemode
              =small
              winopenmode
              =mouse

              staticpalette
              =yes
              renderquality
              =low
              previewmode
              =opaque

              requestfile
              =yes loop=no
              autoquit
              =yes
```

1.65 SCROPENMODE

```
              SCROPENMODE
```

type: keyword

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: PUBLIC

see also:

                ~~PUBSCREEN~~

                ~~MODEID~~~~~

                ~~SCRWIDTH~~~

                ~~SCRHEIGHT~~

                ~~DEPTH~~~~~~

                ~~HAM~~~~~~~~

1.66 CX_PRIORITY

CX_PRIORITY

type: numeric

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

1.67 CX_POPKEY

CX_POPKEY

type: string

MysticView's commodity hotkey sequence. when MysticView is
in hidden state, this key sequence will reactivate it.

consult your manuals on how to express these key sequences.

default: control m

1.68 CX_POPUP

                    CX_POPUP

type: boolean (YES or NO)

   YES
   open MysticView's window at startup.

   NO
   start MysticView in hidden state.

default: YES

see also

            ~~ICONIFY~~

1.69 AUTOHIDE

                    AUTOHIDE

type: boolean (YES or NO)

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

default: NO

see also

            ~~AUTOQUIT~~

1.70 ROTATESTEP

ROTATESTEP

type: numeric

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

default: 10

1.71   CONFIRM

```
CONFIRM

type: keyword

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
```

1.72   HIDEWITHPICTURE

```
HIDEWITHPICTURE

type: boolean (YES or NO)

with this keyword specified, MysticView keeps the current image
when it is getting iconified. otherwise, the current image will
have to be reloaded when MysticView is getting uniconified.

default: NO
```

1.73   ICONIFY

```
                ICONIFY

type: keyword

set iconification 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.

default: APPICON
```

```
see also
```

```
              ~~CX_POPUP~~
```

1.74   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

http://come.to/neoscientists.

1.75   THUMBSIZE

```
THUMBSIZE
```

```
type: numeric
```

specify newicon thumbnail size. valid range: 10 ... 93.

default: 50

1.76   THUMBCOLORS

```
THUMBCOLORS
```

```
type: numeric
```

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.

default: 50

1.77   REJECTPATTERN

REJECTPATTERN

type: string

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.

default: none

1.78   AUTOTHUMBNAIL

                  AUTOTHUMBNAIL

type: keyword

this settings controls MysticView's automatic thumbnail generation.

   OFF
   automatic thumbnail generation is disabled.

   NOUPDATE
   create thumbnails automatically, do not update thumbnails when
   the thumbnail settings have been changed.

   UPDATE
   create thumbnails automatically, update thumbnails when the
   thumbnail settings have been changed.

note: automatic thumbnail creation requires newicon.library.

see also

                  THUMBSIZE
                  ,
                  THUMBCOLORS

1.79   DirectoryOpus configuration

DirectoryOpus configuration

the following is a example configuration for DirOpus 5.

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).

now for the configuration of picture series. this turns out to
be a little more tricky, since 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

well, it might appear a bit confusing at first sight. what we
do here is create a picture list for the given lister's
selected entries. multiple calls to the 'list' statement will
concatenate entries to the piclist file. finally, we call
MysticView with the listfile instead of the pictures
themselves.

1.80 PRIORITY

PRIORITY

type: keyword

this setting controls MysticView's task priorities. MysticView
uses a sophisticated hierarchy of different task priorities,
and the window's input task priority is normally 1. this task
mainly handles the user input and won't block other tasks under

normal circumstances. it is set to 1 for smooth interaction with
the user. feel free to choose a lower priority.

```
  NORMAL
  use this setting for smooth handling.
  - input priority is 1
  - background picture handler's priority is 1
  - loading, scanning and preloading priority is 0

  NICE
  use this setting if you think that priorities
  greater zero are obscene.
  - input priority is 0
  - background picture handler's priority is 0
  - loading, scanning and preloading priority is 0

  LOW
  use this setting if you want to create thumbnails
  for a huge number of pictures in the background.
  - input priority is 0
  - background picture handler's priority is 0
  - loading, scanning and preloading priority is -1
```

notes:
  - the PRIORITY setting is only considered at
    MysticView's start.
  - the drawing priority is (currently) always zero.
  - there are several other tasks involved, which
    mainly operate with priority 0, if they serve
    time-consuming jobs.

default: NORMAL

1.81 FONTSPEC

FONTSPEC

type: string

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

see also:

PICINFO

1.82   PICINFO

                        PICINFO

type: boolean (YES or NO)

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

default: NO

see also:

                    FONTSPEC

1.83   LMBACTION

LMBACTION

type: keyword

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.

default: DRAG

1.84   AUTODISPLAYMODE

                    AUTODISPLAYMODE

type: boolean (YES or NO)

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

MysticView uses a neural network that is being trained with
your behavior. it reacts to changes of the display mode.
whenever you change the display mode to KEEPASPECT,
KEEPASPECT2, or ONEPIXEL, MysticView interpretes it like:

"that's the display mode the user likes pictures like this
one to be displayed with."

MysticView will learn to react to your preferred display

```
mode for different pictures, and its predictions become
more precise by the time.

don't expect too much. the artificial intelligence is of
course limited. currently only parameters like the picture's
width, height, depth, aspects, and the window's width and
height are considered.

default: NO

see also:
            DISPLAYMODE
```

1.85 AUTOCROP

```
AUTOCROP

type: boolean (YES or NO)

this option tells MysticView to crop pictures with
blank areas at its borders.

default: NO
```