

004b0620-0

COLLABORATORS

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<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

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Contents

1	004b0620-0	1
1.1	GalaxyCreator v1	1
1.2	Disclaimer	1
1.3	Features	2
1.4	Installation	2
1.5	Gadgets	2
1.6	RGB	3
1.7	1,2,3,4,C	3
1.8	Same	3
1.9	3
1.10	3
1.11	3
1.12	3
1.13	Redense	3
1.14	»DRAW«	4
1.15	UnDo	4
1.16	Cls	4
1.17	Save & Load	4
1.18	Save IFF	4
1.19	About	4
1.20	Quit	4
1.21	Mouse draw	4
1.22	Screen Cycle	5
1.23	Default settings	5
1.24	Giftware	5
1.25	Author	5
1.26	Thanks!	5
1.27	Examples	6
1.28	M82	6
1.29	MilkyWay	6

1.30	Nessie	6
1.31	NGC6946	6
1.32	NGC6992	6
1.33	WhirlPool	7
1.34	Pirates!	7

Chapter 1

004b0620-0

1.1 GalaxyCreator v1

```

    _$\mathrm{\mu}$$\mathrm{\mu}$_
    aE000#      GalaxyCreator 1.1
    ,E00Ñ" ____$\mathrm{\mu}$_
    00#" _$\mathrm{\mu}$_$00000000m_
    ...
    J00F J000M"_"\textdegree{}#00Ñ_
    J00L #00W000Mm, \ensuremath{\lnot}000L
    what?
    $\mathrm{\mu}$_$aw E00#200000Ñ#0#x Ñ0F
    ¶00K \textdegree{}00000000Q 000
    ¶00#m__\ensuremath{\lnot}\textdegree{}\textdegree{}E00K á00P
    ~~~~Thanks~~~~ Other guys.
    \ensuremath{\lnot}¶#00000000#\textdegree{} _E00
    ~~~ Example galaxies.
    "¶¶@MP~ _$\mathrm{\mu}$_$000"
    piracy.
    æÑ000P by Nikola Smolenski
    ¶0#\textdegree{}"

```

~~Disclaimer~ Read this!
 ~~~About~~~~ Features & so ←  
 ~Installation~ How to start.  
 ~~~Gadgets~~~~ What is ←  
 ~~~GiftWare~~~ Be good:)  
 ~~~~Author~~~~ Me.  
 ←
 ~~~Examples ←  
 ~~~Pirates!~~~ Word about ←

1.2 Disclaimer

Disclaimer

THIS PRODUCT IS PROVIDED "AS-IS" WITHOUT WARRANTY OF ANY KIND. ALL RISKS AND DAMAGES, INCIDENTAL OR OTHERWISE, ARISING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PROGRAM ARE ENTIRELY THE RESPONSIBILITY OF THE USER (AND HIS YOUNGER SISTER). THE AUTHOR DOES NOT MAKE ANY GUARANTEES OR REPRESENTATIONS REGARDING THE CORRECTNESS, RELIABILITY, ACCURACY, CURRENTNESS, ETC. OF THIS PROGRAM. THE AUTHOR WILL NOT ACCEPT RESPONSIBILITY FOR ANY DAMAGE OR LOSSES RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT.

In the other words... If you burn your Amiga, make your girlfriend pregnant or start third world war by using this program... I really don't care.

1.3 Features

Features

As you (maybe) know, there are a lot of different computer generators for various graphic "stuff": scenery generators, fractal generators, cloud generators... and why not Galaxy generator?

It can draw all kinds of spiral galaxies, no matter how many arms they have, how big they are, or whatever you can imagine. Manually, you can edit them in any way, and you could even use it as (manual) cloud generator! Maybe it isn't so usefull, but is a nice thing, and I hope you like it:)

Complete idea rises when I saw pan-cake intro from %gillette%. I bet that it could be done in AMOS;) And no, it couldn't... but I've made main routine for galaxy drawing.

It stands long on my hard, I was afraid of making GUI, and one night, I gave it to some friends.~Words of support I've heard, and some time after, whole project is finished. Rest is history...

Following versions (if any) should be just minor updates... till v2.0 which should be completely rewritten in C.

1.4 Installation

Installation

Instalation is very simple... just copy all files anywhere and that's that... You may use GalaxyCreator.lib if you have AMOS.library in your libs: Otherwise, you must use GalaxyCreator. Of course, you can delete unusable version.

1.5 Gadgets

Gadgets

```

Colours:R G B
          1
      Draw:4 C 2
      Same   3
Start d.:~~~
      Step:~~~
Mouse~draw      Angle:~~~~
                  Dense:~~~
Redense Cls
»DRAW«  UnDo
Save     Load
Save~IFF
About   Quit

```

Screen~Cycle Default~settings

1.6 RGB

This three gadgets allows you to change the galaxy palette.

1.7 1,2,3,4,C

Clicking on these gadgets will define which galaxy arms will be drawn. 'C' gadget is for galaxy center.

1.8 Same

If this option is turned on, all galaxy arms will be the same. This is faster, but not so realistic, and should be turned on for experimenting only and turned off for final picture.

1.9

This string gadget allows entering of diameter from which the arms of the galaxy will be drawn.

1.10

This string gadget allows you to change the step of a spiral.

1.11

This is gadget where you may enter the galactic arms angle.

1.12

This is dense of the galaxy.

1.13 Redense

Yes, a funny name it is... If this gadget is turned off, the galaxies will be "normal". Else, well... try~it~for yourself.

1.14 »DRAW«

This gadget starts drawing of your galaxy. You can stop drawing by pressing both mouse buttons.

1.15 UnDo

You should use this gadget if you want to cancel your previous operation (such as Draw, Cls or Mouse draw, but not UnDo:) This option doesn't affect your data, just picture.

1.16 Cls

If this gadget is turned on, every click on »DRAW« will clear the whole galaxy screen before drawing anything. Also, doubleclick on this gadget will clear galaxy screen immediately.

1.17 Save & Load

Load and Save gadgets will load and save galaxy data (in fact, all of your settings), which can be more than 100 times shorter then ILBM~picture!!!

See also Default~settings

1.18 Save IFF

This gadget allows you to save whole galaxy as IFF ILBM file.

1.19 About

This gadget, if pressed, will eat your dog for breakfast!

1.20 Quit

Guess what;))

1.21 Mouse draw

If you move the pointer on this area, you will notice that it's changed into a crosshair. By pressing left mouse button, you may draw anything you want. Dense parameter is valuable here. By pressing right mouse button, you delete everything under the crosshair.

1.22 Screen Cycle

Yes, Galaxy Creator don't open a system screen... but you can switch to system screens at any time by pressing LeftAmiga+A. And returning on the GalaxyCreator screen works in the same way.

1.23 Default settings

It's very easy to change default settings. Just made them, and save them as Default.gcd in GalaxyCreator's default directory.

1.24 Giftware

Giftware

This nice program is completely giftware. That means, if you are using this program, and you like it, it would be nice to send something to the author. I will accept all kind of presents, e.g. Postcards, money!, car, your sister;), USS Enterprise... anything you want... Just dont send bombs or such things:))

1.25 Author

Author

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1.26 Thanks!

Thanks & greets

Thanks to Petkovic Aleksandar for supplying me with the AMOSPro, and for some minor changes on guide.

Thanks to Kruger of JuICE for supplying me with the AMOSPro compiler, update and for moral support:) [call Kruger's WIFE BBS +381 (0) 24 35 2 66]

Thanks to Reactive! of nEVERmIND for making part of this guide. Also for moral support:) [Call uNIVERSE BBS +381 (0) 21 741 084]

Thanks to Cupac Dusko for helping me with my english:)

Greetings to all members of nEVERmIND!

1.27 Examples

M82
MilkyWay
Nessie
NGC6946
NGC6992
WhirlPool

1.28 M82

Dist. 10.5E6 LY. The most popular example of an exploding galaxy. And the good example of manual~drawing, combining different Denses, and turning on (for left half) and off (for right half) Redense option.

1.29 MilkyWay

Our galaxy. Simply the most beautifull of all.

1.30 Nessie

Example of manual~drawing. I have to admit that this isn't a galaxy, but who cares:)

1.31 NGC6946

This is a good example for use of Redense option.

1.32 NGC6992

Dist: 2500 LY. In fact, this isn't a galaxy, but a planetary nebula. Note that, when you are drawing a galaxy, using only one arm, it's slightly faster to turn off the Same option.

1.33 WhirlPool

M51, dist. 37E6 LY, this galaxy is an example on how to combine manual and automaticall drawing.

1.34 Pirates!

Pirates

I have to admit that all software used in developing of this program is pirated, or shareware. Yes, I know it's ugly, but think about: in Yugoslavia there is no any distributor for commercial software, and even if there is, I couldn't afford it. So, I think that it's better to use pirated software, than none; after all, it's only harder for me to work without instructions, and besides, you would never be watching this program.