

CalcDeLuxe

COLLABORATORS

	<i>TITLE :</i> CalcDeLuxe		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		January 17, 2023	

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Chapter 1

CalcDeLuxe

1.1 CalcDeLuxe.guide

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CalcDeLuxe v2.00
© Dix Software 3 December 1994
Author: Daniel Avila Rubio
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Select one of the below gadget to get some infortmation

```
Introduction
Use
Graphics
Special features
Future
ShareWare
Distribution
DIX SOFTWARE
Tembleque 138 6A
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SPAIN
Email: B940314@zipi.fi.ump.es
```

1.2 introduction

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CalcDeLuxe v2.00
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(© Dix Software)
INTRODUCTION
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CalcDeLuxe is a general purpose scientific calculator designed for the Amiga range of computer. As far as I've seen in a shareware or public domain scientific calculator, this one is by far the best. It has a plenty of math funtions, a good graphic interface and on-line HELP, what else can you ask for?.

As I promised you in version 1.12, I've improved CalcDeLuxe by adding a new Graphics Module (oh, yeah!) and got support for math coprocessors. This is done trough the Standard Amiga (Not C=) double precision libraries (MathIee), so feel the speed!

It uses my own routines for evaluating expresions, so is as quick. I will have this routines in a shared library in the near future (this is a difficult task...).

The exceleant GUI was created with GadToolsBox, an incredible program that has help me a lot in the task of writing the gadgets. GadToolsBox is Copyrighted by Jaba Development (thanks!).

Plis excuse my baz engleesh!!

1.3 use

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USE

The use of this exceleant calculator is very straight forward. It uses a string gadget (where you puts your text) to get the user input, and buttons gadgets to facilitate the introduction of the expresion.

The sintax is like any computer language or programmable hand calculator, so you can introduce expression like "2+3*4", "10%3".

It allows you to enter variables denoted by a letter such a,b,...,y.z. Valid expressions are "x=sin(PI/2)*3", "a=b+c+2", "abs(s=-200)", ... Also you can enter variables with moro than a character but with the exception than only the first will be evaluated, ie: "hours=365*24" and "hamster=34/2"; here hours and hamster are interpreted as the same variable, 'h', so caution is required to prevent colateral effects...

It utilices the C notation for the input, so expressions like this will work "x += 2*sqrt(t=pi/sqrt(16))".

The program is NO case sensitive.

To evaluate a expresion simply press the ENTER gadget in the calculator or RETURN on your keyboard. You clean the digital display by pressing the CLEAN gadget. The BACK is used to delete

one character on the display. The '<-' and '->' are used to move one character forward or backward.

Now you can plot graphics. to do this you should enter an expression with a 'x' inside such 'sin(x+1)', and then select New Window in the Graphics Menu. A new window will be painted with your function plotted. To learn some more of using the graphics module read the next section.

1.4 graphics

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CalcDeLuxe v2.00
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(© Dix Software)
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GRAPHICS

Welcome to the graphics section of CalcDeLuxe, GraphDeLuxe. You can activate the Graphics mode by selecting New Window in the Graphics Menu or pressing 'ramiga-N'.

As you can see there are a few buttons:

- PLOT: It draws the data we have introduced in the string gadget.
- CLEAR: Clear the graphics display.
- PAUSE: Make a PAUSE while plotting a function.
- ZOOM WIN: It allows you to select a portion of the graphics to be ZOOMed.
- ZOOM IN: do it.
- ZOOM OUT: idem.
- MIN X,Y;
MAX X,Y: Those are the limits of the function to represent.

To enter a new function it could be done by pressing the left mouse button on the text gadget and modifying it with your keyboard, you can also get into that gadget by pressing the upper arrow in the cursor keys. If down arrow is pressed then the text will be cleared.

There are two methods of plotting the function, by dots or by lines. You can select the method in the Draw Mode menu in GraphDeLuxe. Try 'tan(x)' to see the differences.

1.5 special features

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CalcDeLuxe v2.00
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SPECIAL FEATURES

Here are some special features don't mentioned in the Use setcion.

You can repeat evaluation of the expression by pressing the ENTER gadget and simultanesly the SHFIT key or the middle button on your mouse (if you have such). This is very useful for expressions like "x+=1", when the result change with every step.

To go at the begin or at the end of the text press the ARROW gadget in conjunction with either SHFIT key or with the middle button.

If you have pressed ENTER, then you have the follow choices to manage the expression: - Try using the CURSOR UP key and then the cursor will be placed in the last position. - Using the CURSOR DOWN key you will clean the full text and activate the string gadget.

When an error has ocurred then (normally), the cursor will be at the place where this has happened. To activate it you should press the CURSOR UP key.

1.6 future

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FUTURE

If I can't get enough popular support I will have to STOP development of this program shortly... (read SHAREWARE section).
:(

If you want to have this help file in other languages than english or spanish, then, please send me your traduction and I'll include it in future releases. May be that in future releases I can use the locale.library, but I don't have enough information about it yet.

If could exist a the next version, the graphics module should work in multitask with the calculator. I've not yet decided if this will be with a separate program or if it should be in the same code (This last is mooore difficult!)

It would be very good to make a better interface by permitting the user to resize the CalcDeLuxe and GraphDeLuxe windows... and also to be able to select and arbitrary font... (perhaps with EAGUI.library?).

Suggestions are ALL welcome.

1.7 shareware

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SHAREWARE

This, possibly will be the LAST version of CalcDeLuxe, due to the lack of support. :(

Said this, I have to say that the ShareWare fee has been changed to ONLY \$10, so I don't think this is so much!

CalcDeLuxe is ShareWare, so it may be freely distributed as long all files remain unchanged. If you use this program a lot, then please send me \$10 (more or less) dollars or the same amount of money in your country currency. Note that this ShareWare is also BeerWare, so if you wanna you can pay the ShareWare fee by send me a bottle of Beer of your country (This is serius!).

If you want the last version then add \$5 to the ShareWare fee, or another bottle!.

Support the SHAREWARE (& BeerWare)

1.8 distribution

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DISTRIBUTION

CalcDeluxe and all files included in this archive may be freely distributed as long all files remain unchanged. CalcDeluxe and its related files can be distributed in BBS or Public Domain Libraries with the condition that the price will not be superior to \$4.

You can distribute this program in a magazine cover-disk always that you send me a copy of that magazine. If you use it to complement a comercial program, then contact with me at the adress bellow. You could put this program in a CD-ROM or another freely distribution media.

Feel free to send me any suggestion, bug reports, questions (about C or Amiga), greetins (oh, yeah!), or what you want at the adress far below.

If you want to include this program and its documentation in a commercial package, or use the routines of evaluation in your own program contact with me at:

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