

ReadMe

Wolfgang Weidner

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COLLABORATORS

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| WRITTEN BY | Wolfgang Weidner | July 19, 2024 | |

REVISION HISTORY

| NUMBER | DATE | DESCRIPTION | NAME |
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Chapter 1

ReadMe

1.1 CYCAS 1.78

CYCAS DEMO 1.78

C O N T E N T:

What is CYCAS ? Brief information about CYCAS.
Features of CYCAS 1.78.
System requirements
Install and starting CYCAS the first time.
Examples
Limitations of this demo version.
How to order
Legal notes

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1.2 What is Cycas ?

What is CYCAS ?

CYCAS is a 2D+3D CAD / architecture program of the next generation for Amiga computers.

CYCAS was developed for all those people who want to design, represent, showcase and build architecture.

Cycas adheres to the philosophy of simulating architectural drawing using a conventional drawing board as closely as possible, so that the draftsman is not faced with working methods that are untypical of his trade.

Much attention was paid to the CYCAS user interface.

The menu-structure and graphical interface of Cycas are designed to make it easy to quickly get used to the program. Thanks to the graphical interface and the input-philosophy behind Cycas, a skilled draftsman can create drawings easily and effectively.

Besides typical CAD functions CYCAS offers special architectural elements such as walls, openings, 3D units, architectural dimensions and calculation of areas, to make creating 2D-drawings easier.

A 3D-model is already created while you draw the plan. The 3D elements can be added, edited and checked in different projection modes.

Finally the 3D-data can be passed on, via interface to Renderer, in order to calculate a realistic simulation of your design.

The CYCAS symbol library may be extended by creating your own symbols.

In 1993 Cycas 1.0 won the Deutsch-Oesterreichische Hochschul- Software-Preis in the faculty architecture. This competition was set up by the Akademische Software Kooperation (ASK), University Karlsruhe.

Since then CYCAS was improved and many new features were added. In 1997 it was public-released for the first time in german language.

1.3 Features

Features

User interface:

- Easy to handle
- Online Help
- WYSIWYG
- Dialog windows
- Layer technique

Elements:

- Symbols` library
- Lines, circles, texts, patterns, walls, openings, windows, doors.
- Calculation of areas and volumina
- Semi-automatic and manual measurement
- Architectural elements such as 3D units and
- 3D basics

3D:

- Intuitive input in the ground plan, elevation and in isometric views.
- Computing graphics such as hidden line or wire graphics from various perspective or isometric views.
- Material database for the output of 3D data to Renderer.

Import:

- DXF 2D/3D

Export:

- DXF 2D/3D
- LWO (Lightwave)
- RPL (Real3D)
- EPS-Postscript

Output:

- Workbench-Printer
- HPGL

1.4 System requirements

System requirements

Software: Kickstart 3.0, 3.1
Workbench 3.0, 3.1

Minimum: 68020, 2MB RAM, HD

Recommended: 68030/68882 or 68040/60,
6MB RAM and more
HD and graphicsboard.

1.5 Install and starting CYCAS the first time

Install and starting CYCAS the first time

Doubleclick the install icon and follow the instructions.

Starting CYCAS for the first time, the program will adopt the screenmode of your workbench. You can change the screenmode you want to work in by pressing the right mouse button (pull-down menus) and selecting the menu 'GUI-Setup'.

You can change the screen font. Avoid using large font sizes as they may not fit the user interface.

This setup can be saved.

Choosing the item 'Project/Load' you can try the example drawings.

At the right bottom edge of the user interface there is a 'Help' button and a brief summary of the CYCAS online help will pop up.

1.6 Examples

Examples

Drawings:

PALAZZO FARNESE, ROME:
1548, Michelangelo.

RESIDENTIAL BUILDUNG WIETHUECHTER, BAD OEYNHAUSEN:
'HW-House'
© by Prof.Dipl.Ing. Hilmar Wiethuechter
FH Bielefeld, FB6, Germany

RESIDENTIAL BUILDUNG, HAhLER GRUND, MINDEN:
'K4-perspective'
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in K4 Kuhlmann Projektplanung GmbH
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ROOM_3D
© by Wolfgang Weidner
This example was designed to show up the
different ways a project can be presented
by combining 2D and 3D data.

KITCHEN
© by Anya Hupe

Pictures:

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1.7 Limitation of the demo version

Limitation of the demo version

This CYCAS demo version is limited, sure, nevertheless
we wish you fun testing it !

- Saving drawing elements is not possible.
 - The output of drawings only to printer.
 - The output of 3D elements in Lightwave object format
is limited.
-

- The symbol library is not complete.
- The online Help is a summary of the powerful HTML-Help-Guide.

1.8 How to order

How to order

Please fill out the order form which is in the demo archive and send it to:

via Fax: Verlag Anja C. Frese,
Fax: ++49 5722 / 90031

or

via EMail: cycas@core.de

or

via SnailMail: Verlag Anja C. Frese
Wilh.- Busch Str. 18
D- 31765 Bueckeberg
Germany

For delivery and payment conditions please read the orderform.

You can order by sending an Eurocheque or an international money order, which is available at your post-office.

For cheques write first, as some are very expensive to cash.

Further on, we are trying to improve the order conditions, so look up the informations at our homepage: <http://cycas.core.de/einfo.html>

1.9 Legal notes

Legal notes

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