Cosinor

Release Version 2.4 !
Please send us suggestions or bug reports !!

Created Aug 2000 by Didier Cugy Last edit : 27 Feb 2001

Updates and more information on : <http://www.septmr.com>
didier.cugy@septmr.com

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Cosinor is a simple of use software for chronobiological analysis. It allow construction of the Cosinor curves, and calculation of the chronobiological parameters Amplitude, Mesor, Acrophase.

Data input is very simple by use of a time/value sheet. Input times is done with two format available : mmm (minutes from 0 to 1440) or hh:mm from 0:0 to 23:59.

Select the graph TabPanel to see the curve.

Open and Save menus allow to write or read data files. Data format is a very simple tabulated text format easy to use with excel and others software.

History

25 Feb 2001:2.4

      Correct a bug in the registration scheme

25 Feb 2001:2.3

      Integrate Kagi registration scheme. registration available on line.

16 Oct 2000:2.2a2

      Now compiled with REALBasic 3.0a10

05 Oct 2000:2.2a1

      Integration of the CStyledTableControl 3.01 library

01 Oct 2000:2.2a0

      Re-use Einguhur library who allow now window double buffering.

23 Aug 2000: 2.1a3

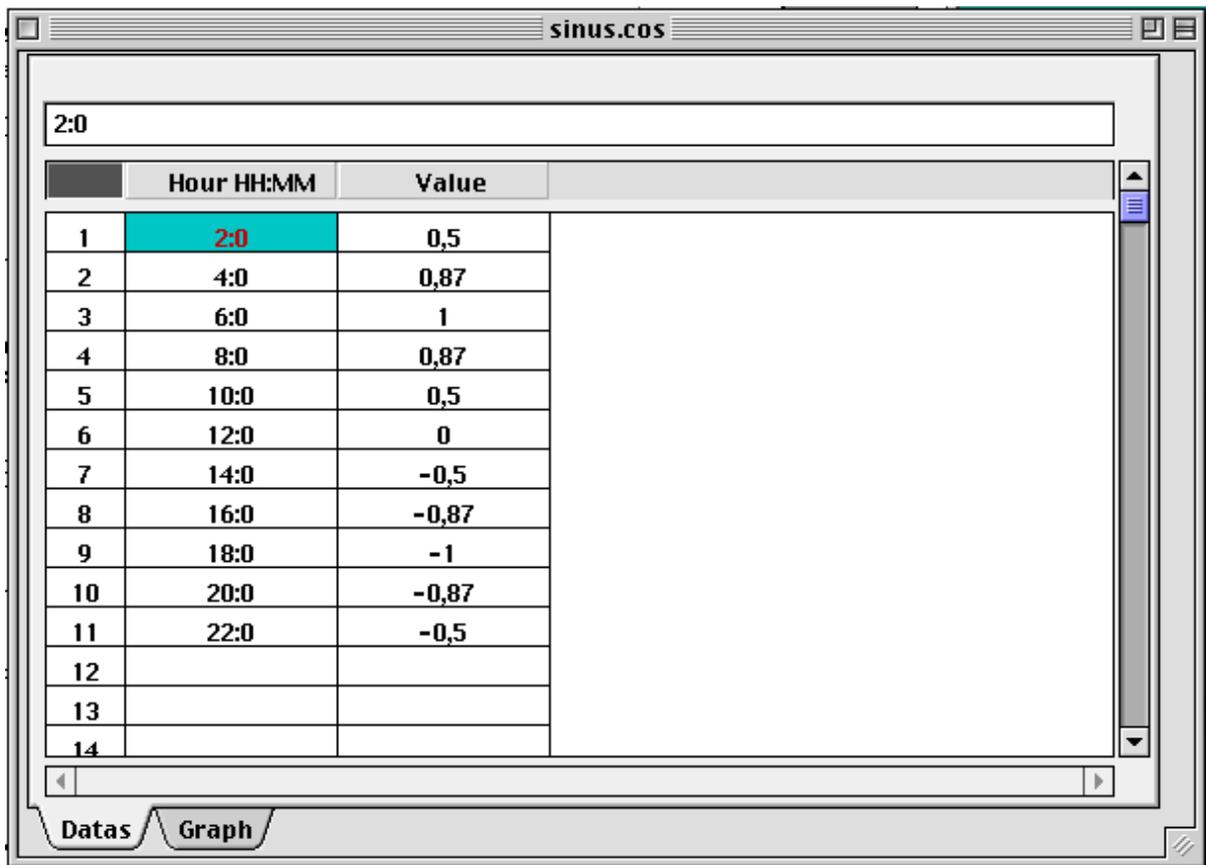Increase the application memory size to avoid not enough memory in multiple document.

<u>11 Aug 2000 :</u> 2.1a2
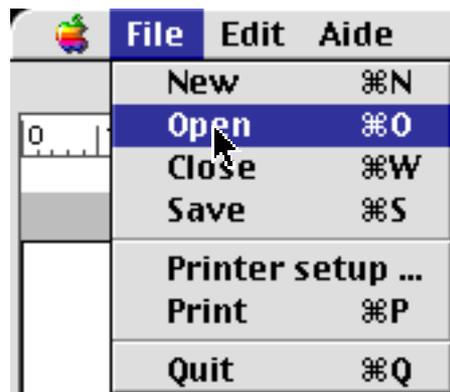
Second pre-release, correct selection bug

<u>24 Jul 2000 :</u> 2.1a1

First pre-release, the ListBox manager is now a part of the Cosinor Software.
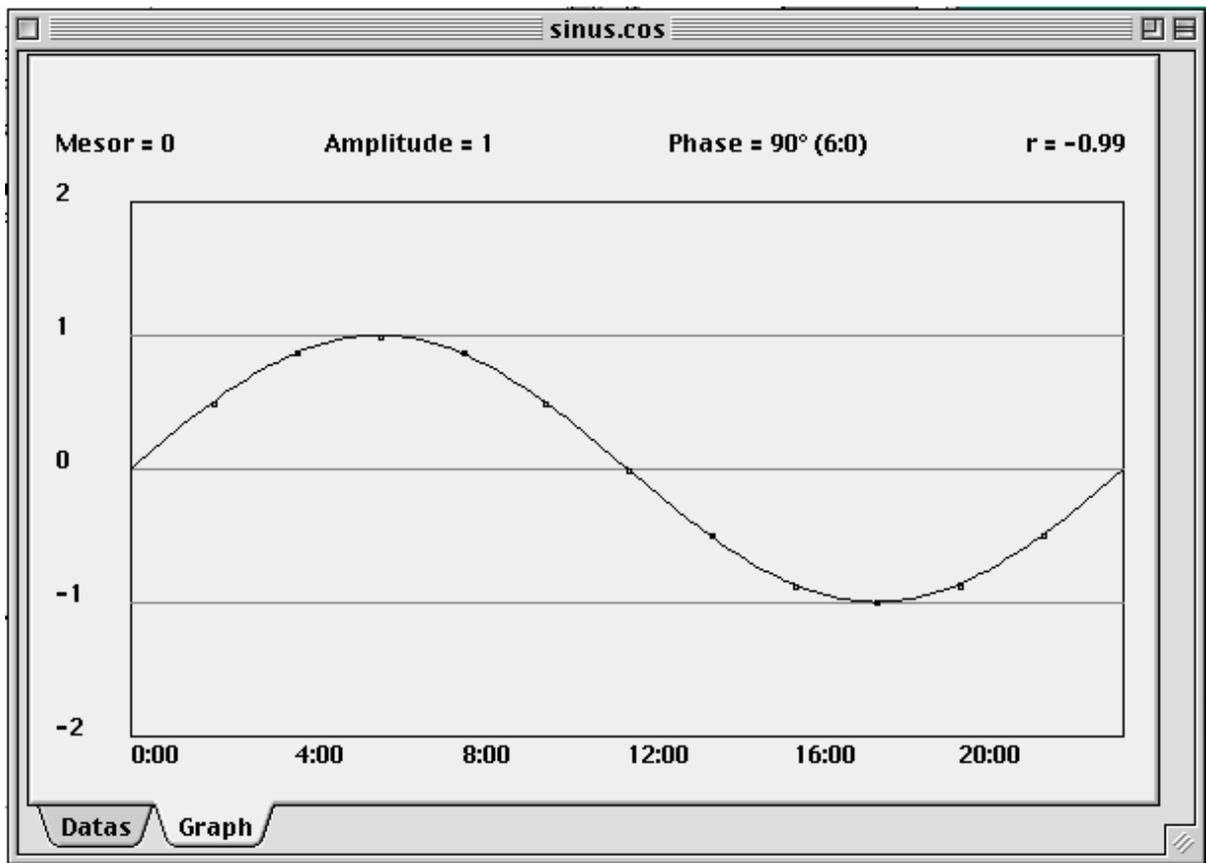
The Main window :

Input the times datas in the First column, the values in the second or load a Data File like cosinus.cos or sinus.cos (File menu Open).

Then select the Graph TabPanel.

Calculation and Drawing of chronobiological parameters is simply done.

Data File Format :

Cosinor 2.1	Heure HH:MM	Valeur
2:0	0,87	
4:0	0,50	
6:0	0,00	
8:0	-0,50	
10:0	-0,87	
12:0	-1,00	
14:0	-0,87	
16:0	-0,50	
18:0	0,00	
20:0	0,50	
22:0	0,87	

Data file is recorded as Tabulated Text, The first line describe the file, then others are time/value

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