

iUnit

iUnit Version 2.0.0 July 28, 2001

iUnit is a shareware unit conversion program for the Macintosh. It also contains many physical constants. The registration fee is only \$19.99.

Using iUnit is easy. Just select the type of conversion you'd like to perform from the **Conversion** menu. For example, if you'd like to convert between feet, inches, meters, and other units of distance, select **Distance**. Then select the unit you'd like to convert from, by clicking the button next to that unit. Then type the value in to the box above the units, on the left side. All of the converted values will appear on the right side of the window.

For example, below we've selected to convert acceleration. We've selected **meters per square second** as our unit of measure, and entered in a value of 1.00. This means that we are converting 1.00 m/s^2 into other measurements of acceleration.

The screenshot shows the 'iUnit Conversions' window. At the top, there's a title bar with the text 'iUnit Conversions'. Below the title bar, there's a text input field containing '1.000' and a unit selector dropdown menu set to 'm/s²'. To the right of the input field, there's a dropdown menu set to 'Acceleration'. Below these, there's a list of conversion options. The first option, '1 m/s²', is selected with a radio button. The other options are '100 cm/s²', '3.6 km/hrsec', '39.3701 in/sec²', '3.28084 ft/sec²', and '0.101972 g'. To the right of these, there's a list of units: 'meters per square second', 'centimeters per square second', 'kilometers per hour second', 'inch per square second', 'foot per square second', and 'g (gravity)'. Each unit has a radio button next to it. The 'meters per square second' radio button is selected.

Value	Unit
1.000	m/s²
1 m/s²	meters per square second
100 cm/s²	centimeters per square second
3.6 km/hrsec	kilometers per hour second
39.3701 in/sec²	inch per square second
3.28084 ft/sec²	foot per square second
0.101972 g	g (gravity)

As you can see above, the values of each unit of distance are seen in the left hand column under the heading **Conversions**. In the row for g (acceleration

due to gravity on earth), we see that 1.00 m/s^2 ft is 0.101972 g.

You also will see the abbreviation for each unit of measurement on the left hand side of the Conversion column.

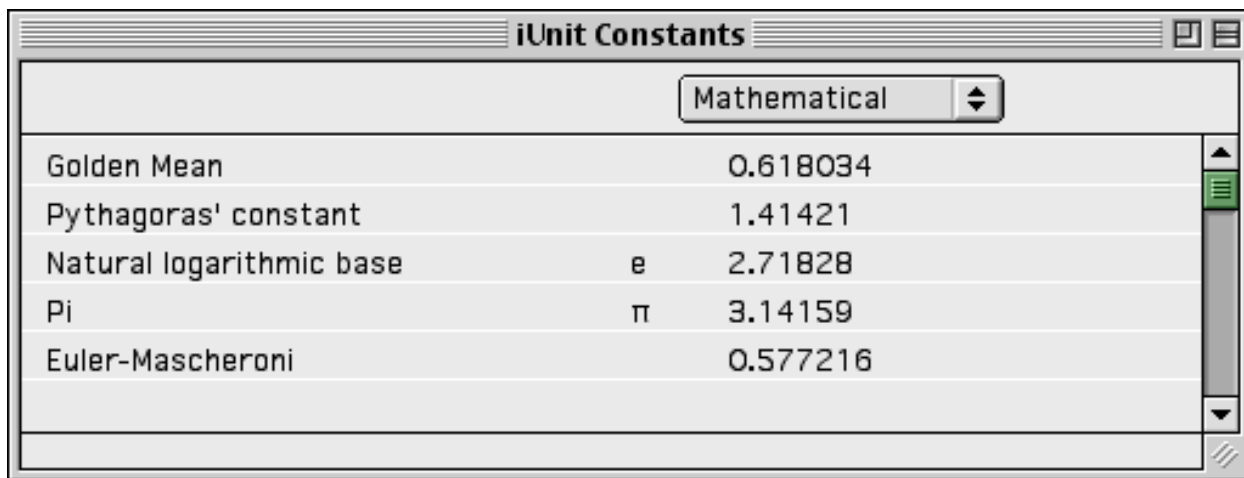
iUnit can also convert between various major world currencies. These are broken up into two categories, the European Union currencies, and the rest of the world. The exchange rates between the EU currencies are fixed, while other currencies vary. Two text files contain these exchange rates, called euro.txt and currencies.txt respectively. You can manually update these files, or download a new currencies.txt file as often as necessary.

The URL to download a new file is

<ftp://ftp.engresource.com/pub/currencies.txt>

Just replace the currencies.txt file with the new one, making sure it is in the same folder as the iUnit application.

Finding the values of physical constants is just as simple. Select the type of constant you're looking for from the **Constants** menu, and a listing appears.



The screenshot shows a window titled "iUnit Constants". At the top, there is a dropdown menu currently set to "Mathematical". Below this is a table listing several mathematical constants. The table has three columns: the name of the constant, its symbol, and its numerical value. The constants listed are the Golden Mean, Pythagoras' constant, the Natural logarithmic base (e), Pi (π), and Euler-Mascheroni.

Constant Name	Symbol	Value
Golden Mean		0.618034
Pythagoras' constant		1.41421
Natural logarithmic base	e	2.71828
Pi	π	3.14159
Euler-Mascheroni		0.577216

That's all there is to it!

Registering

iUnit is shareware. The registration fee is only \$19.99, allowing the use on a single computer. If you wish to run iUnit on multiple computers, you must obtain a license for each system, or the appropriate site license.

Site licenses are also available, allowing copies to be run on multiple computers at a single location (for example, a school or university, or office). Please contact Black Cat Systems for pricing and details about site licensing.

By registering your copy of iUnit, you'll help support our efforts to develop new versions with additional information. When you register, you'll be entitled to use all new releases and updates to iUnit released over the next year, free of charge.

When you register and receive your registration code, select **Enter Registration...** from the **Edit** menu, and enter the code. If you register and don't get your registration code within a week, please send us an email at iunit@blackcatsystems.com.

Thanks again for giving iUnit a try.

Black Cat Systems
PO Box 2293
Westminster, MD 21158

email: iunit@blackcatsystems.com
Web: <http://www.blackcatsystems.com/software/iunit>

Registering by Check or Money Order

To order by check, please fill out and mail the following form, along with your payment. You can pay with a wide variety of cash from different countries but at present if you pay via check, it must be a check or money order drawn in US Dollars. While there is the risk of loss in the mail, currency is also OK, including foreign currency.

Please make sure you include your email address with your payment. That way we can send the registration code to you. If you do not send us a valid email address, we have no way to send you the code.

----- iUnit CHECK / MONEY-ORDER ORDER FORM -----

I would like to register _____ copies of iUnit @ \$19.99 apiece (does not include CD-ROM).

I would like to register _____ Atomic Mac/iUnit Combos @ \$34.99 apiece (does not include CD-ROM).

If you would like a CD-ROM, please add \$5.00 to your order and check here:_____

Total amount enclosed: _____ in US funds.

Please send my registration code to:

Name: _____

Address: _____

City: _____ State: _____

Zip or Postal Code: _____ Country: _____

Email address: _____

Including your email address is VERY important as this is how we will contact you with your registration code.

Please make checks or money orders out to: Black Cat Systems.

Mail this form, along with payment, to:

**Black Cat Systems
PO Box 2293
Westminster, MD 21158
USA**

Registering Online

To register online with a credit card, go to the following URL:

<http://www.blackcatsystems.com/register/iunit.html>

You will be sent to our order page at Kagi. Kagi handles our credit card payment processing.

Please make sure you include your email address when you register online. That way we can send the registration code to you. If you do not send us a valid email address, we have no way to send you the code.

Registering by Credit Card

Note, if you'd like to register by credit card online, please read the previous section.

Open the Register program that accompanies iUnit. Enter your name, your email address, and the number of single user licenses you desire for each program you wish to purchase.

You can either Copy the data from Register and paste into the body of an email message or you can Save the data to a file and you can attach that file to an email message. There is no need to compress the data file, it's already pretty small. If you have a fax modem, just Print the data to the Kagi fax number.

Payments sent via email are processed within 3 to 4 days. You will receive an email acknowledgement when it is processed. Payments sent via fax take up to 10 days and if you provide a correct internet email address you will receive an email acknowledgement.

If you are mailing your credit card payment to Kagi, send it to:

Kagi
1442-A Walnut Street PMB #392-SZ
Berkeley, California 94709-1405
USA

Please make sure you include your email address with your payment. That way we can send the registration code to you. If you do not send us a valid email address, we have no way to send you the code.

Revision History

July 28, 2001 - 2.0.0:

Complete re-write, ported over to MacOSX as well.

September 24, 2000 - 1.3.0:

Added 238 conversions

Added currency conversions

August 12, 2000 - 1.2.0:

Added constants

June 27, 2000 - 1.1.1:

Bug fix - a stray line was sometimes drawn when the window was updated (ok, really, it's fixed this time... it only seemed to occur under some System versions)

June 24, 2000 - 1.1.0:

Added additional units

Bug fix - a stray line was sometimes drawn when the window was updated

June 11, 2000 - 1.0.0:

Initial Release

Software License Agreement

This is a legal agreement between you and Black Cat Systems, covering your use of iUnit (the "Software"). Be sure to read the following agreement before using the Software. BY USING THE SOFTWARE (REGARDLESS IF YOU HAVE REGISTERED THE SOFTWARE OR NOT), YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, DO NOT USE THE SOFTWARE AND DESTROY ALL COPIES IN YOUR POSSESSION.

The Software is owned by Black Cat Systems and is protected by United States copyright laws and international treaty provisions. Therefore, you must treat the Software like any other copyrighted material (e.g., a book or musical recording). Paying the license fee allows you the right to use one copy of the Software on a single computer. You may not network the Software or otherwise use it or make it available for use on more than one computer at the same time. You may not rent or lease the Software, nor may you modify, adapt, translate, reverse engineer, decompile, or disassemble the Software. If you violate any part of this agreement, your right to use this Software terminates automatically and you must then destroy all copies of the Software in your possession.

The Software and its related documentation are provided "AS IS" and without warranty of any kind and Black Cat Systems expressly disclaims all other warranties, expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Under no circumstances shall Black Cat Systems be liable for any incidental, special, or consequential damages that result from the use or inability to use the Software or related documentation, even if Black Cat Systems has been advised of the possibility of such damages. In no event shall Black Cat Systems's liability exceed the license fee paid, if any.

This Agreement shall be governed by the laws of the State of Maryland. If for any reason a court of competent jurisdiction finds any provision of the Agreement, or portion thereof, to be unenforceable, that provision of the Agreement shall be enforced to the maximum extent permissible so as to effect the intent of the parties, and the remainder of this Agreement shall continue in full force and effect.

The Software and documentation is provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subdivision (b)(3)(ii) of the Rights in Technical Data and Computer Software clause as 252.227-7013. Manufacturer is Black Cat Systems., 4708 Trail Court, Westminster, MD 21158, United States of America.

The name "Black Cat Systems", and "iUnit" are trademarks of Black Cat Systems.

iUnit is ©2001 by Black Cat Systems. All rights reserved worldwide.

Created with the MacZoop framework, ©1994-2001 Graham Cox. All Rights Reserved
<http://www.maczoop.com/>