

Open and print without grid and headings using BiPlane full application version

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### 30 DAY FREE TRIAL OFFER

You are now using a 30 day free trial copy of BiPlane, a copyrighted shareware spreadsheet. My shareware offer gives you the opportunity to discover Biplane's benefits before you buy. When you are satisfied with BiPlane's performance you can receive your manual and the newest version of BiPlane by completing the registration form. The manual will introduce you to the world of spreadsheets. The newest version of BiPlane will, in general, contain features and corrections not in this version. Also, as a registered user, you will be informed when major improvements to BiPlane occur and you will be able to order an upgraded copy for a nominal price.

Your support enables and encourages me to continue to enhance and improve BiPlane. This continued support is important to you. Many significant new features are planned for BiPlane to increase its performance and value to you.

We invite you to share this version of BiPlane with your friends. Remind them that BiPlane is shareware and when they like it they should also complete the registration form.

Operators of bulletin boards or other mass distribution methods must receive my permission before they can distribute BiPlane.

Computer stores, schools, and businesses interested in volume discounts can contact me at the address below.

If the registration form is missing, please send your check or money order for

## Sheet1

\$40 U.S.A., along with your name, address, and zip code to:

Thank you for your support.

Copyright 1987, 1988 Alan Porter.

### Some Editorial Praise for BiPlane

MACazine February 1988 -

'For the casual spreadsheet user who does not need direct keyboard macros or graphics, BiPlane is an excellent value.'

Macworld April 1988 -

'BiPlane is a DA as well as an application, making it very useful when copying data from other programs.'

MacGuide Spring 1988 -

'BiPlane does not have graphics capabilities or macros, but it's a good, solid spreadsheet program at a rock-bottom price. I rate it 95.'

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### Customization Service and Private Label Versions

Have you ever wished that your spreadsheet program had a special function or feature? Perhaps the ability to use data directly from a program you have developed or a function which performs a complicated calculation specific to your industry or business? I offer a custom programming service to add such functions and features to BiPlane. This is a value added service, done on a time and materials basis, to add functionality to BiPlane and your programs which might not otherwise be possible in the normal course of BiPlane's evolution.

This service combined with a volume purchase agreement will enable many software developers to cost effectively add a powerful spreadsheet interface to their existing product line.

Send any inquiries regarding customization to:

## User Support

Questions and comments can be sent to the author at the above address.

We promptly respond to all mail.

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## BiPlane

### Introduction

BiPlane is a full featured spreadsheet modeling program. It consists of two components: a desk accessory and a regular Macintosh application program. The desk accessory gives you the ability to execute spreadsheets and instantly cut and paste the results into your other programs, such as word processing or graphics programs. The application has more features, e.g. larger model size, than the desk accessory.

BiPlane worksheets are compatible with worksheets developed using other spreadsheet programs and saved in SYLK format. BiPlane supports the most popular and commonly used spreadsheet features.

BiPlane will be a valuable addition to your Macintosh computer. If you do not already own a spreadsheet program you will find BiPlane a quality program to add to your library of computing tools. Even if you have another spreadsheet program you will find the powerful desk accessory convenient for quickly executing many of the worksheets you have already developed.

### Differences Between the Components

There are a few differences between the desk accessory and application components. The application's model size is 1000 rows by 1000 columns versus 255 rows by 255 columns for the desk accessory. The desk accessory is also too large to operate on the original 128K Macintosh.

### Differences Between BiPlane and Other Spreadsheet Programs

## Sheet1

In addition to the commonly used features and functions found in other spreadsheets such as Multiplan and Excel, BiPlane also contains features not found in these or other programs. For example, BiPlane is the only desk accessory spreadsheet which reads and writes SYLK files. This means you can use spreadsheets developed on other programs.

BiPlane contains the following capabilities not found in some other spreadsheet programs:

- desk accessory version
- individual cell formatting by size, font, and style
- trailing minus sign
- bracket minus sign
- new worksheets can be loaded over existing worksheets
- 1000 rows by 1000 columns
- hidden cells for commenting the worksheet
- sparse cell memory management, BiPlane can use larger models
- performance, BiPlane executes faster than some other spreadsheets

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### BiPlane Functions

- ABS()
- ATAN()
- AVERAGE()
- COLUMN()
- COS()
- COUNT()
- EXPONENT()
- FALSE()
- FF()

IF(expression, true value, false value)     Sets value depending on

- INTEGER()
- ISERR()
- ISNA()
- LOG()
- LN()

## Sheet1

MAX()  
MIN()  
MOD(numerator, demoninator)

NA()  
NOW()  
NPV(rate, list of values)

PI()  
REPT("text", count)  
ROUND()  
ROW()  
SIGN()  
SIN()  
SQRT()  
STDEV()  
SUM()  
TAN()  
TRUE()

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### BiPlane Formulas

A formula is an algebraic expression made up of single cell references, values, or functions separated by mathematical operator symbols. All formulas must begin with an equal sign, =, and may be up to 110 characters in length. Spaces are counted in the length, but are ignored in the formula's evaluation. As examples,

Correct:

2

and

`=SUM(R[-182]C[-1]:R[-175]C,100,1.2)/(ABS(R[-173]C)*24)+PI()`

Wrong:

`+10 + 12`

and

`AVERAGE( 1, 2, A1:R1)`

These are the allowed mathematical and logical operators:

mathematical operators

\*  
/  
+  
-  
%  
^  
()

logical operators

=  
>  
<  
< =  
> =  
< >

This is a brief reference guide of BiPlane's features. To receive your manual and the newest version of BiPlane complete the registration form.

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BiPlane Registration Form

Date

Name

Company

Address

City, State Zip

Phone

Macintosh model:

Memory size:

Hard disk size:

Printer model:

I learned about BiPlane from

I am using application version YES \_\_\_\_\_ NO \_\_\_\_\_

I am using desk accesory YES \_\_\_\_\_ NO \_\_\_\_\_

Comments:

To receive your user's manual and the newest version of  
BiPlane mail completed form and check or money order for \$40 U.S.A. to:

BiPlane  
Alan Porter  
P. O. Box 1783  
Huntington Beach, CA 92647

Thank you for your support.

BiPlane

Spreadsheet Program

Version 1.02

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Absolute value of single cell or value.  
Arctangent of single cell or value.  
Average of values, list or range of cells.  
Numeric value of column the current cell is in.  
Cosine of single cell or value.  
Number of active cells (text or value) in list or range of cells.  
Exponentiation of single cell or value.  
Logical FALSE value.  
Eject page from printer (form feed). Note: Any cells  
on this row after the FF() are not printed.

whether evaluated expression is true or false.  
Integer, whole portion, of single cell or value.  
Logical TRUE if referenced cell has error.  
Place holder. Logical TRUE if referenced cell contains NA().  
Log base 10 of single cell or value.  
Natural log of single cell or value.

## Sheet1

Maximum value in list of cells, values or range of cells.

Minimum value in list of cells, values or range of cells.

Remainder after dividing numerator by denominator.

User place holder or error flag.

Displays current system date and time.

Net present value of list of values or range of cells based on referenced interest rate.

The constant Pi = 3.1415926535890.

Repeatedly display text between quotes count times.

Round to nearest integer single cell or value.

Numeric value of row the current cell is in.

Sign of single cell or value. Result = 1 if positive, = -1 if negative

Sin of single cell or value.

Square root of single cell or value.

Standard deviation of range of cells or list of values or cells.

Sum of cells or list of values or cells.

Tangent of single cell or value.

Logical TRUE value.

multiplication  
division  
addition  
subtraction  
percentage ( divides by 100 )  
exponentiation  
parenthesis (can by used to clarify expression)

equal to  
greater than  
less than  
less than or equal to  
greater than or equal to  
not equal to

Shareware Reminder

