



# UNICALC WORKSHEET

Callan UNICALC WORKSHEET



UNICALC\* a new electronic spreadsheet program from Callan Data Systems, is a comprehensive software tool that increases productivity on the UNISTAR™ workstation through the power of the UNIX\* operating system. As a sophisticated planning and forecasting program, time consuming tables, formulas and mathematical functions can be calculated with ease. These calculations are further simplified with Worksheet features such as SINE, COSINE, SUM, MEAN, Standard Deviation and Net Present Value.

UNICALC also facilitates the manipulation of data by allowing the operator to make changes at any time and by answering "What if?" questions or IF-THEN/ELSE comparisons. This data can be merged with external programs, such as word processing text, to further enhance productivity.

The UNICALC Worksheet is designed to take full advantage of the powerful hardware/software features of the UNIX operating system featured on the Callan UNISTAR family of 68000-based systems. UNICALC makes it easier for both the programmer and the businessman to make accurate projections and better decisions.

## FEATURE SUMMARY

- Takes advantage of 68000 CPU resulting in increased performance and larger spread sheets
- Foreign language conversions available
- Size: 255 rows by 64 columns
- A multitude of online HELP screens available at any time at different levels
- Terminal configurable, including the VT100,\* to take advantage of terminal attributes such as reverse intensity
- Data can be displayed in bar graph form
- Split-screen capabilities in both vertical and horizontal directions
- Executes on both the UNISTAR 100 and UNISTAR 200 systems
- Twelve digit accuracy

### OPERATORS

- + — Add
- - — Subtract
- \* — Multiply
- / — Divide
- ^ — Raise to a power
- = — Check for equality
- < — Check for less than
- > — Check for greater than
- <= — Check for less than or equal to
- >= — Check for greater than or equal to
- <> — Check for inequality
- Boolean: AND, OR, NOT, TRUE, FALSE

### FUNCTIONS

- ABS (x) — absolute value of the expression x
- ACOS (x) — inverse cosine (arccos) of x, which is in radians
- ASIN (x) — inverse sine (arcsin) of x, which is in radians
- ATAN (x) — inverse tangent (arctan) of x, which is in radians
- AVG (list) — average all items in the list
- CHOOSE (x, range) — selects index x of specified range
- COS (x) — cosine of x, which is in radians
- COUNT (list) — number of numeric items in the list
- DEG (x) — value in degrees of x, which is in radians
- E — value of the natural logarithm base (2.718...)
- IF (test,true,false) — IF-THEN/ELSE expression
- INT (x) — integer part of expression x
- LN (x) — natural logarithm (base E) of x
- LOG (x) — common logarithm (base 10) of x
- LOOKUP (x,range) — table look-up
- MAX (list) — maximum value from items in the list
- MIN (list) — minimum value from items in the list
- NPV (rate,range) — Net Present Value at rate over a specified range
- PI — value of pi (3.14159...)
- RAD (x) — value in radians of x, which is in degrees
- SIN (x) — sine of angle x, which is in radians
- SQRT (x) — square root of expression x
- SUM (list) — sum of the numeric items in the list
- TAN (x) — tangent of angle x, which is in radians

### BASIC COMMANDS

- ? — Online HELP available at all times to many sub-levels
- arrow-keys allow field cursor movement to any place in the spread sheet
- HOME — returns the field cursor to the upper left corner (A1)
- = — GOTO a specified field coordinate
- ! — evaluate every algebraic expression
- ; — switch field cursor to alternate window
- / — enter the Extended Command options

### EXTENDED COMMAND OPTIONS (/)

- " — Enter text
- ' — Enter repeated text
- digit — Enter number or expression
- +
- -
- .
- {
- letter — Enter text or expression
- / — Copy, display, erase files in directory
- B — Blank fields of a given range
- D — Delete a row or column
- E — Edit input line
- F — Format the spread sheet by global, column or field
  - D — Default format
  - E — Exponential format (e-notation)
  - G — General (floating point)
  - I — Integer format
  - \* — Bar graph format
  - \$ — Dollar format
  - L — numeric Left adjustment
  - R — numeric Right adjustment
  - TL — Text Left adjustment
  - TR — Text Right adjustment
- G — Global options
  - Adjustment by lowercase or both reference when moving rows or columns
  - Calculate — Automatic or Manual by row or column
  - Display — With or without borders
  - Scroll — Enable or disable
- I — Insert rows or columns
- L — Load all or a subset of another model (load and/or merge)
- M — Move a row or column with automatic expression adjustment
- O — Output to file or printer any range of a model with or without borders
- Q — Quit
- R — Replicate a partial row or column through the spread sheet with automatic expressions adjustment
- S — Save a range or all of the model to a specified file name
- T — Establish titles on window
- V — Display current version
- W — Define dual window mode — horizontal or vertical with or without synchronized scrolling

## ANOTHER PRODUCT OF CALLAN ENGINEERING AND MANUFACTURING EXCELLENCE

Subscribing to a business philosophy of engineering and manufacturing excellence, with continuing emphasis on research and development and product marketing, Callan Data Systems is recognized as a proven leader and innovator in the computer industry.

Callan Data Systems products include integrated workstations for use with a variety of 16-bit microcomputers and an integrated line of versatile desktop computers for Distributors, OEM/Systems Integrators and volume end-users in advanced business, scientific, industrial, medical, communications, government and military applications. Callan products are sold throughout the United States, Europe and Australia.

**Callan**

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