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COLLABORATORS

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Chapter 1

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1.1 TurboCalc by Michael Friedrich

TurboCalc 4.0 - User Manual
copyright Michael Friedrich.

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EUCLID1 (Number1; Number2)
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LOG (Number)
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ODD (Number)

PERM (n;k)
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RND ()
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ROUNDDOWN (Number;Places)
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SIN (Angle)
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MINUTES (Time)
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MONTHS (Date)
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SECOND (Time)
SECONDS (Time)
TIMEVALUE (Text)
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Sheet Functions

AVERAGE (Range [;])
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COUNT2 (Range [;])
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MIN (Range [;])
PICK (Index; Range; ...)
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STDEV (Range [;])
SUM (Range [;])
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DCOUNT2 (Database; Column, Criteria)
DFIRST (Database;Column;Criteria)
DLAST (Database;Column;Criteria)
DMAX (Database;Column;Criteria)
DMIN (Database;Column;Criteria)
DPICK (Index;Database;Column;Criteria)
DPRODUCT (Database;Column;Criteria)
DSTDEV (Database;Column;Criteria)
DSUM (Database;Column;Criteria)
DVAR (Database;Column;Criteria)

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CELLLABS (Row;Column)
CHOOSE (Index; Value1;Value2;Value3...)
COLUMNNUMBER (Range)
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FOLDERNAME ()
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HLOOKUP (Value;Range;Offset; [Exact])
LOOKUP (Value;Range; [Exact])
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RANGEWIDTH (Range)
RANGEX ([Range])
RANGEY ([Range])
ROWNUMBER (Range)
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SHEETNAME2 ()
VLOOKUP (Value;Range;Offset; [Exact])

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CFV (PV;Rate;Term[;Frequency])
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LRATE (Present Value;Future value;Term[;Frequency])
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PMT (Future value;Rate;Term[;Frequency])
TERM (Future value;Payment;Rate; [;Frequency])

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- CUT ([Block])
- FILL (Mode; [Block])
- LANGUAGE (Mode;Block)
- MADD (Block1;Block2;ResBlock)
- MMUL (Block1;Block2;ResBlock)
- MSUB (Block1;Block2;ResBlock)
- PASTE ([Block])
- PASTEDATA (Mode; [Block])
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- REFERENCETYPE (Flag[;Block])
- REMOVE (Data; [Block])
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- SORT (Ascending;Direction;Cell;Block)
- TRANSPOSE ([Block])

Formatting Commands

- ALIGNMENT ([Hor]; [Vert]; [Block])
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- CHANGESTYLE (Num; [Block])
- COLORS ([Color1]; [Color2]; [block])
- COLUMNTITLE (Title; [Cell])
- COLUMNWIDTH (Width; [Block])
- DEFAULTCOLUMNWIDTH (Width)
- DEFAULTROWHEIGHT (Height)
- FONT ([Num]; (CharacterSet); [Block])
- FRAME (Left;Right;Top;Bottom; [Block])
- FREEZE (Cell)
- NOTE (Note; [Cell])
- HIDE (Row; [Block])
- NUMERICFORMAT (Format; [Block])
- PATTERN (Number; [Block])
- PROTECTION ([Write]; [Formula]; [Block])
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- ROWTITLE (Title; [Cell])
- SHOW (Row; [Block])
- STDFONT (Font)

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BEEP ()
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DELAY (Time)
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FILEREQUEST ([File];[Title];[Cell])
HELP (Num;File)
INPUT (Text [;Title];[Cell])
LISTREQUEST ([Title];[Block])
MESSAGE (Text [;Title])
PUT (Contents [;Cell])
REQPARA (X;Y;Oktext;Aborttext;Time)
REQUEST (Text [;Title])

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CLIPWRITE ([Block])
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CSVLOAD ([Name];[Separator])
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CRITERIA ([Range])

DATABASE ([Block])
DBDELETE ()
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DBFIND ([Cell])
DBMASK ([Routine])
DBPREV (Cell)
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AUTOCORRECT ()
AUTOFILL ()
AUTOSAVE (Flag)
CLIPBOARD (Unit; Separators; Quotation marked)
DEFPUBSCREEN (Screen)
DISPLAY (Title; Grid; Toolbar; Formulas; Zero; CursorMode)
FORMFEED (Flag)
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OPENFLAGS (NoAutoMacro; Hide; Password)
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POSTSCRIPT ()
PRINTFORMAT (LM; RM; UM; BM; Style; Header; H-Text; Footer; F-Text; Title; Grid)
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BLOCKVARIABLE (Name; Block)
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FOLDER.SHOWSHEET ()
IFFPRINT (File;Width;Height;Depth;Block)
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;FF)

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ISEVEN (Number)
ISODD (Number)
ISSTRING (Value)
ISTIME (Value)
ISVALUE (Value)

K

KEEP (String;List)
KEY (Key;Command)
Keyboard

L

LANGUAGE (Mode;Block)
LAST (Range;...)
LASTCOLUMN ()
LASTERROR ()
LASTROW ()
LCM (Number1;Number2)
LEFT (Text;Length)
Legend
LENGTH (Text)
LG (Number)
LIMIT (X;a;b;V1;V2;V3)
LINE (Line)
Lines
LISTREQUEST ([Title]; [Block])
LN (Number)
Load / Save
LOAD ([Name])
LOADCONFIG ([File])
Locale
LOCALE (NF1;NF2;DF;Currency;CPrefix;CSuffix;Inch)
LOG (Number)
LOG10 (Number)
LOOKUP (Value;Range; [Exact])
LOOP ()
LOWER (Text)
LRATE (Present Value;Future value;Term[;Frequency])

M

Macro Control
Macro Instructions
Macro Reference

Macro
MACRO (...)
Macro/ARexx Instructions
MACROPLAY (Cell)
MADD (Block1;Block2;ResBlock)
Mask
MATCHES (Text;Pattern)
Mathematical Functions
MAX (Range[;])
MELSE ()
MENDIF ()
Menu Commands
Menu Commands
Menu Reference
Menu Shortcuts
MESSAGE (Text[;Title])
MID (Text;Position;Length)
MIF (Condition)
Migrating from TurboCalc 2
Migrating from TurboCalc 3
MIN (Range[;])
MINUTE (Time)
MINUTES (Time)
MINVERSE (Number;Modulo)
Misc
Miscellaneous Commands
Miscellaneous Functions
MMUL (Block1;Block2;ResBlock)
MOD (Number1;Number2)
MONTH (Date)
MONTHS (Date)
MONTHTEXT (Date[;Abbreviation])
MOVEWINDOW (X;Y)
MSUB (Block1;Block2;ResBlock)

N

Names
Names
New Commands [TC3]
New Commands
New Functions [TC3]
New Functions
New View
New Sheet
New with TurboCalc 3.5
New
NEWMENU ()
NEWSHEET (Name)
NEWWINDOW ()
NEXT ()
NOT (Value)
NOTE (Note; [Cell])
NOW ()
Numbers
Numeric Format
NUMERICFORMAT (Format; [Block])

O

Object Types
Object
OBJECT (Name; Type; Text; Value1; Value2; Block)
Object-Editing
OBJECTCLASS (Name)
OBJECTINFO (Name; Nr)
OBJECTPARA (Name; Macro; MacroActivation; Color; Frame; Background; Protection)
OBJECTPOS (Name; X; Y; Width; Height)
Objects
OBJECTSELECT (Name)
OBJID (text)
OCT (String)
ODD (Number)
OLDCOLORS ()
Omission of all Parameters
Omission of Parameters
ONERROR (Cell)
Open
OPENFLAGS (NoAutoMacro; Hide; Password)
Operation
Operators
Options
Options
OR (Value1; Value2; ...)

P

Pagination
Paper Format
PAPERFORMAT ()
Parameters
PART (Text; Position; Length)
Paste - Formula
Paste only
Paste
PASTE ([Block])
PASTEDATA (Mode; [Block])
Paths
Pattern
PATTERN (Number; [Block])
Patterns
PERM (n; k)
PI ()
PICK (Index; Range; ...)
PING (Index)
Play
Plus
Plus, Minus
PMT (Future value; Rate; Term [; Frequency])
PONG (Index)
Position Marking
Postscript Output
Postscript
POSTSCRIPT ()
POSWINDOW ()
POSWINDOW2 ()
POW (Base; Exponent)

POW10 (Exponent)
Preference Form
Preview
Preview
PREVIEW()
Print Layout
Print Preview
Print Range
Print
Print

PRINT (Printer;File;NLQ;Range;Page1;Page2;LPI;Colored;Break;Size;Width;Height;OType ←
;FF)

PRINTFORMAT (LM;RM;UM;BM;Style;Header;H-Text;Footer;F-Text;Title;Grid)
Printing Charts
Printing Sheets
Printing
PRINTRANGE (Activate; [Range])
PROCALCINSERT ([Block]; [Name])
PROCALCLOAD ([Name])
PRODUCT (Range[;])
Programming
Project
Projects
Protection
Protection
PROTECTION ([Write]; [Formula]; [Block])
PROTECTIONFLAGS (Active;Password)
PS Fonts
PSFONTLIST ()
PUT (Contents [;Cell])
PV (Future value;Rate;Term [;Frequency])

Q

Quit
QUIT ([Flag])

R

RADTODEG (Angle)
RANGEABS (Row;Column;Height;Width)
RANGEHEIGHT (Range)
RANGEWIDTH (Range)
RANGEX ([Range])
RANGEY ([Range])
RECALC ([Mode])
Recalculate
RECIPROCAL (Number)
Record
RECORD ()
Redo
REDO ()
Redraw Sheet
References Rel <-> Abs
REFERENCESHIFT (X;Y;Flag;Block)
REFERENCETYPE (Flag [;Block])
REFRESH (Mode)

REM ...
Remove Cells
Remove
REMOVE (Data; [Block])
Remove Sheet
Rename Sheet
REPEAT (Text; Number)
REQPARA (X; Y; Oktext; Aborttext; Time)
REQUEST (Text [, Title])
Return Value of Commands
RETURN ([Cell])
REVERSE (Text)
REVISION ()
RIGHT (Text; Number)
RND ()
RNDRANGE (Min; Max)
ROMAN (Number)
ROUND (Number; Places)
ROUNDDOWN (Number; Places)
ROUNDUP (Number; Places)
Row Height
ROWHEIGHT (Height; Block)
ROWNUMBER (Range)
ROWTITLE (Title; [Cell])
RUN (File; Parameter; [Window])
RX (File; Port)
RXSYNC (File; Port)

S

Save as EPS
Save as
Save Block as
Save
Save
SAVE ([Name])
SAVEAS ([Name])
SAVEBLOCK ([Block]; [Name])
SAVECONFIG ([File])
Saving as IFF
Saving your Work
Saving
Screen Control
Screen Modes
Screen
SCREEN (Width; Height; Depth; Mode)
SECOND (Time)
SECONDS (Time)
Select Mode
SELECT ([Block])
Selecting a Cell
Selecting Ranges
SELECTSHEET (Name [, Windownumber])
SELECTTOFRONT ([Block])
SELECTWAIT ()
SERIES (Type; Increment; Columns; Range)
SETFONT (Font; Mode)
Setting Names

Settings and Configuration
Settings
Settings
Settings
SETTINGS ()
SETTINGS.PREVIEW ()
SETTINGS.RECALC ()
SETTINGS.SCREEN ()
SETTINGS.UNDO ()
SETxxx (Condition;Value1;Value2[;Reference])
SHANGHAI (Mode)
Sheet Encrypting
Sheet Functions
Sheet Settings
Sheet Window
Sheet
Sheet
SHEETFLAGS (Maxwidth;Maxheight;Calculation;Return;Direction;Icons)
SHEETHIDE (Sheetname;Windownumber)
SHEETNAME ()
SHEETNAME2 ()
SHEETSETTINGS ()
SHEETSHOW (Sheetname;Windownumber)
Shift References
SHIFTL (Text)
SHIFTR (Text)
Show active Cell
Show Chart
Show Sheet
Show Sheet-Window
Show
SHOW (Row; [Block])
SHOWMENU ()
SIGN (Number)
SIMILAR (Text1;Text2)
SIN (Angle)
SINHYP (Number)
SIZEWINDOW (Width;Height)
SmartOpen
SmartOpen
SmartRefresh
SMARTREFRESH (Flag)
Sort Database
Sort Range
SORT (Ascending;Direction;Cell;Block)
Sorting Data Records
Sorting.dat
Special ARexx-Commands
Special Macro Commands
SPECIALFLAGS (Flags)
SQR (Number)
SQRT (Number)
Start
START (Filename)
Starting TurboCalc
Status Line
STDCOLORS ()

STDEV (Range[;])
STDFONT (Font)
STEP ([Flag])
Stop Playing
Stop Recording
Stop
STOPRECORD ()
SUM (Range[;])
SYLKINSERT ([Block]; [Name])
SYLKLOAD ([Name])
SYLKSAVE ([Name])
SYLKSAVEBLOCK ([Block]; [Name])
SYSINFO ()

T

TAN (Angle)
TANHYP (Number)
TCDINSERT ([Block]; [Name])
TCFUNCTION (TCLib; Offset; Num1; Num2; Text)
TCMACRO (TCLib; Offset; Num1; Num2; Text)
TERM (Future value; Payment; Rate; [; Frequency])
Text Entry
Text Functions
Text
TEXT (Data[; Format])
The Search Criteria
TIMEVALUE (Text)
Title Freezing
Title
Title
TOBIN (Number)
TODAY ()
TOHEX (Number)
TOOCT (Number)
Toolbar
Toolbar
TOOLBAR ()
Topics
Translate Formulas
TRANSLATE (String; Text1[; Text2])
Transpose
TRANSPOSE ([Block])
Tricks to Improve your Printouts
TRIM (Text)
TRUE ()
TurboCalc Libraries
TurboCalc
TurboCalc-Sheets
Tutorial
TWOFACT (Number)

U

UNCHANGED ()
Undo
Undo
UNDO ()
UNTIL (Condition)

UPPER (Text)
UPPER2 (Text)

V

VALUE (Text)
VAR (Range [;])
VARIABLE (Name; Value)
VERSION ()
View Settings
View
VLOOKUP (Value; Range; Offset; [Exact])

W

WEEKDAY (Date)
WEEKDAYTEXT (Date [; Abbreviation])
WHILE (Condition)
WINDOWTOBACK ()
WINDOWTOFRONT ()
WORD (Text; Number)
WORDS (Text)

X

XOR (Value1; Value2; ...)

Y

Y-Axis
YEAR (Date)

Z

Zoom
Zoom
ZOOM (ZoomX [; ZoomY])
