

Input Cell:

Begin Calc:

Recalc Time:

@SIN(INPUT)

[illegible]

#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?

\0

MAINMENU

OPTIMAL

STANDARD

errmsg

MESSAGE\_CELL

OOPS

#### Using SPEEDUP.WK1 to Compare Standard and Optimal Recalculation

This worksheet contains 16 columns of formulas, twenty-five per cent of which contain a reference to one cell, the Input Cell. Use this worksheet to compare the recalculation times of Speedup's Standard and Optimal modes:

1. Select Standard from the menu. 1-2-3 displays the sample worksheet recalculates the entire worksheet, and records the time that transpired during the recalculation.
2. Press [Return] to display the Results screen which records the recalculation times and calculates the time difference between Standard and Optimal recalculation.
3. Select Optimal. 1-2-3 displays the sample worksheet, recalculates only those cells that contain formulas that depend on the Input Cell, and records the recalculation time.
4. Press [Return] to display the performance increase.

-

Standard mode:

Optimal mode:

Time Difference:

Performance Improvement (%):



# Sheet1

#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?
#NAME?	#NAME?

{calc}{GOTO}HELP~/rvD66~C152~/rvD66~C148~{MENUBRANCH mainmenu}

18

Optimal  
Speedup Optimal mode  
{OPTIMAL}  
{MENUBRANCH mainmenu}

Standard  
Speedup Standard mode  
{STANDARD}  
{MENUBRANCH mainmenu}

{PANELON}  
{WINDOWSON}{Calc}  
{HOME}{if @isapp("speedup")=0}{branch oops}  
{APP4}ISPEEDUP~OQ  
/rvc66~b7~{C}  
/rvB11~C152~  
{GETLABEL "Press [Return] to display Results screen: ",ANSWER}  
{BRANCH DISPLAY}

{PANELON}  
{WINDOWSON}  
{HOME}{if @isapp("speedup")=0}{branch oops}  
{APP4}ISPEEDUP~SQ  
/rvc66~b7~{C}  
/rvB11~C148~  
{GETLABEL "Press [Return] to display Results screen: ",ANSWER}  
{BRANCH DISPLAY}

Speedup has not been invoked. Please Exit 1-2-3 and Attach SPEEDUP!

Speedup not attached

Attach Speedup and start again

{goto}I122~

{indicate Error}

{PANELOFF}

{WINDOWSOFF}

{Beep}

{getlabel "Press Enter to Exit and Attach SPEEDUP: ",ANSWER}

/QY

Recalculation Times

-----

4.00

2.00

2.00

50.00



@LOG(INPUT)

## Sheet1

#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?  
#NAME?

Not Run Yet

Quit  
Erase this worksheet and return to 1-2-3 Ready mode  
/wey

{HOME}{GOTO}HELP~

## Sheet1

```
{windowsoff}{goto}begin~@now~/rv~~{calc}{goto}end~@now~/rv~~{recalc difference}{windowson}
```

@SIN(90)

[illegible]

0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636  
0.8939966636

/WEY

[illegible]

Sheet1

-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409
-0.44807361612917	-1.99520041220824	0.098851307	1.110540409

DISPLAY

{GOTO}RESULTS~  
{windowsoff}{RECALC TIME}{windowson}  
{MENUBRANCH mainmenu}

by Gary E. Haffer

[illegible]



Sheet1

0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979
0.227669294670604	0.896055384571344	1.5707963267949	3.14159265358979

SPEEDUP has not Been Attached!

Page 19

Sheet1

9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123
9.48773583635853	0.483055065616578	0.43496553411123

G.E.Haffer 02/01/87