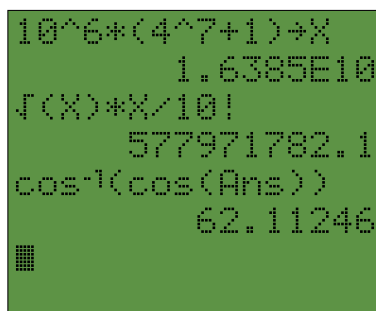


TI calculator display

(TI-82 STATS)

Mustafa Ibrahim

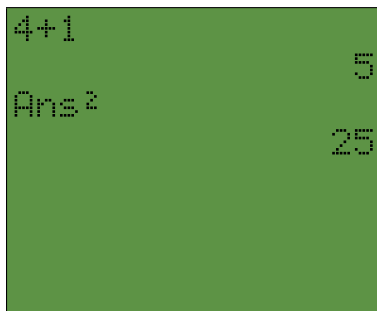
2021-06-01



Contents

1	Quickstart	2
2	Package option(s)	2
2.1	Color	2
3	LCD size	2
4	Additional defined characters	3
4.1	Redefined characters	3

1 Quickstart



```
1 \documentclass{article}
2 \usepackage[color]{tiscreeen}
3 % Remove 'color' to display in back and white
4
5 \begin{document}
6
7 \tiscreeen
8 |4+1          |
9 |              5|
10|Ans{sq}      |
11|              25|
12|              |
13|              |
14|              |
15|              |
16
17 \end{document}
```

2 Package option(s)

2.1 Color

Using the `color` option will change the colors used by the `\LCD` command. The colors are defined as `tiscreeenfg` (foreground, i.e. font color) and `tiscreeenbg` (background). These colors can be redefined like this:

```
1 % Add this to your preamble
2 \definecolor{tiscreeenbg}{HTML}{5d9345}
3 \definecolor{tiscreeenfg}{HTML}{FFFFFF}
```

3 LCD size

The default LCD size is 8×16 (the size of the TI-82 STATS). It can be changed by redefining the variables used to determine the size of the display or by using the original `\LCD` command.

```
1 % First method:
2 \def\tiscreeenX{16}
3 \def\tiscreeenY{8}
4
5 % Second method:
```

```

6 \LCD{5}{11}
7 |ANOTHER |
8 |EXAMPLE |
9 |WITH A |
10 |DIFFERENT|
11 |SIZE |

```

4 Additional defined characters

Name	Symbol	Code
E (scientific notation)	E	<code>{sciE}</code>
Sigma (lowercase)	σ	<code>{sigma}</code>
\bar{x}	\bar{x}	<code>{barx}</code>
\bar{y}	\bar{y}	<code>{bary}</code>
2 (power of two)	2	<code>{sq}</code>
$^{-1}$	$^{-1}$	<code>{ar}</code>
1	1	<code>{sub1}</code>
2	2	<code>{sub2}</code>
3	3	<code>{sub3}</code>
4	4	<code>{sub4}</code>
5	5	<code>{sub5}</code>
6	6	<code>{sub6}</code>

4.1 Redefined characters

Predefined characters that where redefined to match the TI-82 STATS.

Name	Symbol	Code
!	$!$	<code>{!}</code>
$\sqrt{\quad}$ (Square root)	$\sqrt{\quad}$	<code>{sqrt}</code>
e	e	<code>e</code>
i	i	<code>i</code>
v	v	<code>v</code>
w	w	<code>w</code>