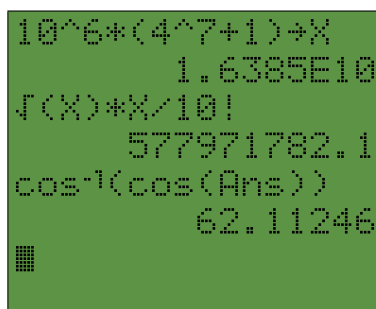


TI calculator display

(TI-82 STATS)

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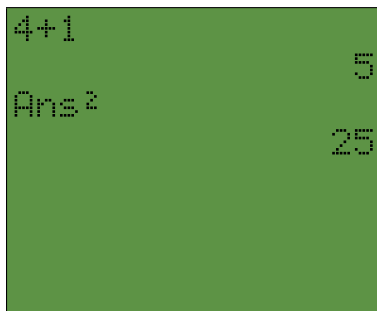


A screenshot of a TI-82 STATS calculator display. The screen is green with black text. It shows a sequence of calculations: $10^6 \times (4^7 + 1) \div X$ resulting in $1.6385E10$, $\sqrt{X} \times X / 10!$ resulting in 577971782.1 , and $\cos^{-1}(\cos(\text{Ans}))$ resulting in 62.11246 . A small cursor icon is visible at the bottom left.

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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>
$\sqrt{}$	$\sqrt{}$	<code>{sq}</code>
$\wedge(-1)$	$\wedge(-1)$	<code>{ar}</code>

4.1 Redefined characters

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

Name	Symbol	Code
e	e	<code>e</code>
i	i	<code>i</code>
Square root	$\sqrt{}$	<code>{sqrt}</code>
!	$!$	<code>{!}</code>