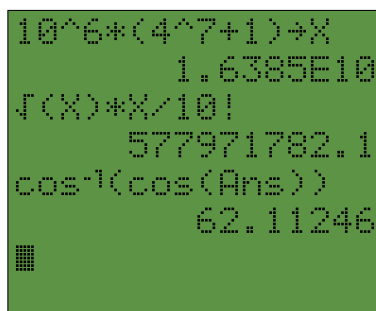


# TI calculator display

(TI-82 STATS)

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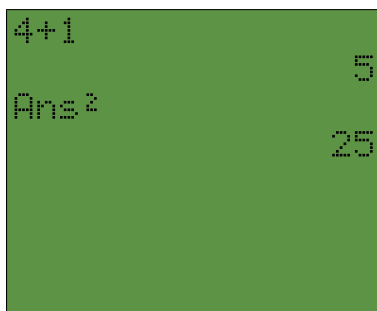
A TI-82 STATS calculator display showing a sequence of calculations. The screen is green with black text. The calculations are as follows:

```
10^6*(4^7+1)+X
1.6385E10
J(X)*X/10!
577971782.1
cos^-1(cos(Ans))
62.11246
■
```

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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  $8 \times 16$  (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

Added characters		
Name	Symbol	Code
E	$\mathbb{E}$	<code>{sciE}</code>
$\sigma$	$\sigma$	<code>{sigma}</code>
$\bar{x}$	$\bar{x}$	<code>{barx}</code>
$\bar{y}$	$\bar{y}$	<code>{bary}</code>
$^2$	$^2$	<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>
Redefined characters		
!	!	<code>{!}</code>
$\sqrt{\quad}$	$\sqrt{\quad}$	<code>{sqrt}</code>
e	e	<code>e</code>
i	i	<code>i</code>
v	v	<code>v</code>
w	w	<code>w</code>