

# HP41 Character Set True Type Font

HP41 Character Set is a true-type font specially developed to reproduce HP41's display contents. It contains all characters that can be shown in this calculator's LCD, including those available only with the use of extended commands (e.g.: XTOA).

## Using the font

To use the font is as easy as using any true-type font: you type in the desired character sequence, select the sequence, and chose HP41 Character Set as a new font type. There are other ways, depending on the text processor you are using. Take the example bellow:

Type in :	the display shows: AB=23.45
Select it:	the display shows: <b>AB=23.45</b>
Choose HP41 Character Set as a new font type:	the display shows: <b>A B = 2 3 . 4 5</b>
Place any effects (e.g.: 12.5% shadow)	the display shows: <b>A B = 2 3 . 4 5</b>

Your final text will show a sequence that matches HP41's display.

## Limitations and Special Care

There are some points to be considered. The HP41 LCD shows numbers with one of both radix marks: (.) (dot) or (,) (comma). There is also the (:.) mark, that is not used in numbers, only in Alpha messages. If you type in a sequence of any of these characters in your text processor without any separation character, select the sequence and choose HP41 Character Set as new font type, you will see only one remaining character, that is a mix of all of them. Anyway, if you select this remaining character and choose the original font back (or any other available), the original sequence will be brought back.

This is not a glitch in the font itself. The fact is that any of these marks will fit in the small space between two LCD's characters in the calculator's display (this does not apply only if one OR both of them is one of the marks itself), and the HP41 Character Set font predicts this possibility. What is not done by the font is checking if one of the neighbors is another mark, so an extra space must be placed. And that's what must be done: if a sequence of marks must be shown, just adding a space between them will work fine.

The remaining care is: do not type sequences using HP41 Character Set in order to choose another font later. HP41 Character Set is a symbol character set, not a regular character set. If you type in a sequence of characters while HP41 Character Set is the working font, choosing another font for the typed sequence will result in a different, probably unreadable, sequence.

If you have any comments or suggestions, please send me an e-mail: [lcvieira@quantica.com.br](mailto:lcvieira@quantica.com.br)  
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