

The script shows the number in different units of measurement. The selected radiobutton determines the unit of measurement of the number, the value of which will be displayed in other units of measurement. Only positive numbers are processed. If a number is entered incorrectly, a question mark will appear to the right of the unit name and all fields for displaying values in other units of measurement will be cleared.

To separate the fractional part from the whole, you can use both a comma and a period.

When entering values in inches, you can use a slash (0x2F).

The whole part is separated from the fractional part by one or more spaces, for example: 2 7/16.

The sizes measured in picas and ciceros have two writing options — decimal and typographic.

For example, a size 3/4 inch may be written in picas as 4.5 and as 4p6.

You may input values as 15p9,7c11 etc.

The checkbox is for select display option. It will be enabled after first calculation.

Unfortunately there is no option in JavaScript to get value in typographic note. By this reason need to do some calculations. The calculation results coincide with the numbers that InDesign outputs for all units of measurement, except cicero.

As for cicero, there is a discrepancy in what the program calculates and what the InDesign displays.

For example, width of frame is 12.75 inches — InDesign shows 76p6, program writes 76p6.0000. It is OK. But for the case of cicero, this size shown by the InDesign is 71c9.441 and the one calculated by the program is 71c9.5866.

Cicero it is 1/12 part of French inch. This inch has size 27.1 mm, while Adobe inch is 25.4 mm long, and in this program for recalculate Adobe points to French points the multiplier 3528/3759 is used. Variant 254/271 gives almost the same results.

I still didn't understand the reason of this discrepancy — a rounding error or

a calculation error. Text of this program is open, and if you have some ideas what need to change in the code to coincidence of these values, let me know.

And don't take it too hard — share this free program with your friends who are engaged in design and layout: sometimes there are tasks of translation from one unit of measurement to another, and this script will come in handy.

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P. S.

Interest answer on the question was sent by Marc Autret (<https://indiscripts.com/>): he proposed to recalculate cicero into points directly, rather than using a coefficient 3528/3759: `UnitValue("1ci").as("pt")`. Although the results of the calculations of the program differ from those given by the InDesign, its are closer to these values. So this idea is used in the program, and that 12.75" now is 71c9.4865.