

Hereafter, §1 discusses the problem of missing fonts, and §2 the problem of the list separator.

1. The Problem of Missing Fonts

If I were a professional publisher then I would want every computer in my company to have installed as many fonts as possible, so as to minimize the problems described in this section. Installing many fonts on your computer brings several advantages. I cannot think of any disadvantage.

I list hereafter problems that may arise on your computer if some fonts are not present. The fonts can be downloaded from the link below. In Section 1 there click on the link for downloading fonts.

[Getting fonts for mathematical symbols](#)

(link does not work in pdf file).

In each problem hereafter a symbol is displayed. You can compare what it looks like in the MS-Word file and in the pdf-file. If the two look different then the symbol does not show up properly in your MS-Word file, and the font mentioned on the same line is missing on your computer. You can solve this problem by installing the required font on your computer. And, more importantly, you should install the font on the computer from which the final printing or turning-into-pdf-file will be done.

PROBLEM 01. \mathbb{R} : If different in pdf file then in word file: install the font Math5.

PROBLEM 02. \mathbb{Q} : If different in pdf file then in word file: install the font Math5.

PROBLEM 03. \mathbb{N} : If different in pdf file then in word file: install the font Math5.

PROBLEM 04. \mathbb{Z} : If different in pdf file then in word file: install the font Math5.

PROBLEM 05. \circ : If different in pdf file then in word file: install the font Math3.

PROBLEM 06. \square : If different in pdf file then in word file: install the font Math3.

PROBLEM 07. \mapsto : If different in pdf file then in word file: install the font Math4.

PROBLEM 08. ℓ : If different in pdf file then in word file: install the font MT-extra.

PROBLEM 09. \mathcal{A} : If different in pdf file then in word file: install the font EUSM7.

PROBLEM 10. \mathcal{B} : If different in pdf file then in word file: install the font EUSM7.

- PROBLEM 11. \mathcal{C} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 12. \mathcal{D} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 13. \mathcal{E} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 14. \mathcal{F} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 15. \mathcal{G} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 16. \mathcal{H} : If different in pdf file then in word file: install the font EUSM7.
- PROBLEM 17. \succcurlyeq : If different in pdf file then in word file: install the font Math3.
- PROBLEM 18. \succ : If different in pdf file then in word file: install the font Math3.
- PROBLEM 19. \preccurlyeq : If different in pdf file then in word file: install the font Math3.
- PROBLEM 20. \prec : If different in pdf file then in word file: install the font Math3.
- PROBLEM 21. € : If different in pdf file then in word file: install the font book antiqua.

2. The Problem of the List Separator for Special Commands

2.1. Background

There are special commands in MS-Word, the implementation of which depends on what the so-called list separator is in Windows. The list separator is mostly a semicolon ; but it is also sometimes a comma ,. Unfortunately, up to Windows XP at least there was no uniformity in the world. This problem has existed in the computer-world since the 1980s. If the file was made using a different list separator than the one on your computer, problems arise, as below.

I recommend using the semicolon as list separator. Then for you the problems numbered b below will occur, and not those numbered a.

2.2. The Problems

Probably in each case hereafter, either the symbols in Problems a, or those in Problems b, show up improperly on your screen, but not both. It seems that some computers automatically convert list separators into their own list separator, in which case everything below shows up properly, both in problems a and b.

Superimposing a on top of b.

PROBLEM 22a. $\overset{a}{b}$ If different in pdf file then your list-separator is comma ,.

PROBLEM 22b. $\overset{a}{b},$ If different in pdf file then your list-separator is semicolon ;.

Superimposition is used in summations, integrals, and bars:

PROBLEM 23a. $\sum_{j=1}^n$ If different in pdf file then your list-separator is comma ,.

PROBLEM 23b. $\sum_{j=1}^n,$ If different in pdf file then your list-separator is semicolon ;.

PROBLEM 24a. \int_b^a If different in pdf file then your list-separator is comma ,.

PROBLEM 24b. $\int_b^a,$ If different in pdf file then your list-separator is semicolon ;.

PROBLEM 25a. \bar{x} If different in pdf file then your list-separator is comma ,.

PROBLEM 25b. $\bar{x},$ If different in pdf file then your list-separator is semicolon ;.

The Problem also arises in fractions, as

PROBLEM 26a. $\frac{\text{numerator}}{\text{denominator}}$ If different in pdf file then your list-separator is comma ,.

PROBLEM 26b. **Error!** If different in pdf file then your list-separator is semicolon ;.

and for squareroots:

PROBLEM 27a. $\sqrt[2]{x}$ If different in pdf file then your list-separator is comma ,.

PROBLEM 27b. $\sqrt{2,x}$ If different in pdf file then your list-separator is semicolon ;.

2.3. Solutions

One way to resolve the problem is to adjust not the file but your computer. You do this by adjusting the list separator on your computer, and turning it into a comma or a semicolon, as the case may be. Up to Windows-XP, the list separator can be adjusted in something like

[My-Computer/Control-Panel-Configuration-Regional Setting/options-Number],

or in

[My-Computer/Control-Panel/Date,Time,Language,and-Regional-Options/format-of-numbers,dates-and-times/customize/list-separator].)

A second way to resolve the problem is to adjust not your computer but the file. This works as follows. Press the function key ALT F9 several times on your computer while in MS-Word, and while looking at the symbols in subsection 2.2. Sometimes you see things such as "{Eq \o", and sometimes you see regular text and symbols. Press ALT F9 an odd or even number of times, until you see things like "{Eq \o..." etc. At that stage, you can adjust the list separator used. Find all things like "{Eq \o..." in the file, and in each change the relevant comma into a semicolon or vice versa.

As always, beware that if you solve the problem on the computer you are now working on it can occur again on a next computer. Most important is that the problem be solved on the final computer from which the paper will be printed or turned into a pdf file.