

xkeyval package

Example 4

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This example demonstrates the use of the new macros for declaring class and package options of the xkeyval package. Please study the files `xkvex2.tex`, `xkveca.cls`, `xkvecb.cls`, `xkvesa.sty`, `xkvesb.sty` and `xkvesc.sty` carefully to understand the output below.

Set by `xkveca.cls`: test1 on page 1
Set by `xkvesa.sty`, copied from `\documentclass`: test1 on page 1
Set by `xkvesa.sty`: test2 on page 1
Set by `xkvesb.sty`, passed on from `xkvesa.sty`: test 3
Set by `xkvesb.sty`, passed on as unknown from `xkvesa.sty`: test4 on page 1
Set by `xkvesb.sty`, passed on as unknown from `xkvesa.sty`: test5
Set by the class, copied by `xkvesc.sty`: test 6a
Set by `xkvesc.sty`: test 7
Set by `xkvecb.cls`, passed on from `xkveca.cls`: test 8

The document class is: `xkveca.cls`
Unused global options: `another=key, IgnoredGlobal`

Notice the content of the following macros.
`\@classoptionslist: keyvi, IgnoredGlobal, 10pt`
`\XKV@classoptionslist:`
`keyi=test1 on page \thepage ,keyvi,another=key, IgnoredGlobal, 10pt`

This shows that `key=value` pairs have been deleted from the class options list so that subsequent packages which are not using xkeyval and are scanning this list will not run into problems.

This page shows that key values are only expanded when they are actually used.
They are not expanded during option processing.

test1 on page 2
test2 on page 2
test4 on page 2