

The `regcount` package

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Printed October 2, 2010, file dated 1999/08/03

Abstract

This package¹ writes in the `.log` file the allocation status of various `TEX` registers (counters, lengths, skips, etc.). It *does not produces anything* in the document.

1 The `regcount` package

`\regcounts` This package defines the `\regcounts` macro who writes in the `.log` the allocation status of the various kinds of `TEX` registers. The user can call this macro at any time, but it is always invoked at the `\begin{document}` and `\end{document}` limits. The `\regcounts` does not write anything in your document.

The main use of this package and of the `\regcounts` macro is to see the needs in `TEX` registers of the packages you are loading in your document, so you can add `\regcounts` commands before and after the `\usepackage` commands.

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2 Implementation

`\rgccounts`

```
1 <*package>
```

There is one internal macro for each kind of T_EX register. I hope I do not forget some ones. The allocation counters are dependent of the release, but it seems stable.

1. Counter registers:

`\rgc@counts`

```
2   \def\rgc@counters{\GenericInfo}{}%  
3       (regcount)\@spaces Allocated counter registers= \the\count10\@spaces}}
```

2. Dimension registers:

`\rgc@dimens`

```
4   \def\rgc@dimens{\GenericInfo}{}%  
5       (regcount)\@spaces Allocated dimen registers= \the\count11\@spaces}}
```

3. Skip registers:

`\rgc@skips`

```
6   \def\rgc@skips{\GenericInfo}{}%  
7       (regcount)\@spaces Allocated skip registers= \the\count12\@spaces}}
```

4. Muskip registers:

`\rgc@muskip`

```
8   \def\rgc@muskip{\GenericInfo}{}%  
9       (regcount)\@spaces Allocated muskip registers= \the\count13\@spaces}}
```

5. Box registers:

`\rgc@boxes`

```
10  \def\rgc@boxes{\GenericInfo}{}%  
11      (regcount)\@spaces Allocated box registers= \the\count14\@spaces}}
```

6. Token registers:

`\rgc@tokens`

```
12  \def\rgc@tokens{\GenericInfo}{}%  
13      (regcount)\@spaces Allocated token registers= \the\count15\@spaces}}
```

7. Input channels:

`\rgc@inputs`

```
14 \def\rgc@inputs{\GenericInfo}{}%  
15 (regcount)\@spaces Allocated input channels= \the\count16\@spaces}}
```

8. Output channels:

`\rgc@outouts`

```
16 \def\rgc@outputs{\GenericInfo}{}%  
17 (regcount)\@spaces Allocated output channels= \the\count17\@spaces}}
```

9. Math families:

`\rgc@mathfamilies`

```
18 \def\rgc@mathfamilies{\GenericInfo}{}%  
19 (regcount)\@spaces Allocated math families= \the\count18\@spaces}}
```

10. Languages:

`\rgc@languages`

```
20 \def\rgc@languages{\GenericInfo}{}%  
21 (regcount)\@spaces Allocated languages= \the\count19\@spaces}}
```

11. Insertions:

`\rgc@insertions`

```
22 \def\rgc@insertions{\GenericInfo}{}%  
23 (regcount)\@spaces Allocated insertions= \the\count20\@spaces}}
```

`\rgccounts` This (user) macro calls all the preceeding ones, and add some text.

```
24 \def\rgccounts{%  
25 \GenericInfo}{(regcount)\@spaces=====ALLOCATIONS=====}\@spaces}%  
26 \rgc@counters  
27 \rgc@dimens  
28 \rgc@skips  
29 \rgc@muskip  
30 \rgc@boxes  
31 \rgc@tokens  
32 \rgc@inputs  
33 \rgc@outputs  
34 \rgc@mathfamilies  
35 \rgc@languages  
36 \rgc@insertions  
37 \GenericInfo}{(regcount)\@spaces=====}\@spaces}%  
38 \ignorespaces}
```

And we add two automatic calls:

```
39 \AtBeginDocument{\rgcounts}  
40 \AtEndDocument{\rgcounts}  
41 \endinput
```

Change History

v1.0		v1.1	
General: (JPDF) First officially re-		General: (JPDF) Corrected typos.	1
leased version.	1		