

April 13, 2007

Question: In my \LaTeX document, I have a lot of tables that I want to put onto one particular page but \LaTeX simply will not do that for me. The tables aren't very big and I have tried just about everything to get this to work. Are there any secrets to getting 4 or 5 tables or figures onto a single page in \LaTeX ?

Hi,

\LaTeX has internal restrictions on the total number of floating items (like tables and figures) that can be placed on a single page. By default, \LaTeX will place at most 1 float at the top of a page and 2 floats at the bottom of a page and at most 3 floats on any single page. Also \LaTeX reserves $\frac{1}{5}$ of any page to just text but there are easier ways like `\clearpage` to get around that restriction.

To convince \LaTeX that is is okay to put at most 5 floats onto a page and at most 2 floats at the top and 3 floats at the bottom of a page, just add the following lines to your document just before the page in question (or any time earlier in your document):

```
\setcounter{bottomnumber}{3}
\setcounter{topnumber}{2}
\setcounter{totalnumber}{5}
\renewcommand{\textfraction}{.001}
```

You can also play around with the numbers and set them any way that you want in case you need something different. Having numbers like this throughout your whole document though can be bad so if you want to change them back, the general class default values look like this:

```
\setcounter{bottomnumber}{2}
\setcounter{topnumber}{1}
\setcounter{totalnumber}{3}
\renewcommand{\textfraction}{.2}
```

Sincerely yours,

Joe Struss
Creative Services, ITS, Iowa State