

Problem with the use of the spreadtab module in LyX 2.3.1

Consider the following long (multipage) table, which has been created within the sLTable environment provided by the spreadtab module.

	A	B	C	D
1	1	2	3	4
2	2	4	9	16

Notes

1. When using LyX 2.3.0, this file can be converted successfully to PDF using File/Export/PDF(ps2pdf), but it fails with LyX 2.3.1
2. I believe the problem lies with the spreadtab module itself. I am using module version 1.4 (dated 2016-05-28) downloaded from the link www.dropbox.com/s/yo34cigz16edd48/spreadtab.zip?dl=0 that can be found on the Modules page of the LyX Wiki at wiki.lyx.org/Layouts/Modules. I believe this is the latest version of the spreadtab module.
3. The spreadtab module provides the environment sLTable which can be used as a wrapper around a conventional table environment, to enable some spreadsheet-like capabilities within the table (using the L^AT_EX package spreadtab). When the LyX code is exported to plain L^AT_EX, there is one small difference between LyX 2.3.0 and 2.3.1.

(a) With LyX 2.3.0, the exported L^AT_EX code contains the lines

```
\sLTable{}{%  
\begin{longtable}{|c|c|c|c|c|}
```

and the file can successfully generate a PDF file.

(b) With LyX 2.3.1, the exported L^AT_EX code contains the lines

```
\sLTable{}{%  
\begin{longtable}[c]{|c|c|c|c|c|}
```

and the presence of the optional argument [c] causes an error that prevents successful generation of a PDF file.

4. I believe that the export with LyX 2.3.1 is actually the correct behaviour. The problem is that the \sLTable macro defined by the spreadtab module does not correctly handle the presence of the optional [c] argument. This can be confirmed by going into the settings menu of the Table and selecting either Left or Right for Multi-page table alignment. In that case LyX 2.3.0 and 2.3.1 both include an optional argument [l] or [r] (instead of the [c]) after the command \begin{longtable}, and in both cases cause a L^AT_EX error that prevents generation of a PDF file.
5. The consequence is that while LyX 2.3.1 has fixed a bug in the export to L^AT_EX, in doing so it has exposed a small bug in the behaviour of the spreadtab module. Unfortunately, I am not sure how to fix the bug in the spreadtab module.