Using tabularray In LyX

Udi Fogiel

1 Preparation

To use tabularray In LyX, load the module **Tabularray** in the document settings of your file.

2 usage

To insert a tabularray to go to Insert ▷ Custom Insets ▷ Tblr, then, insert a table inside the Tblr layout. To specify any inner specs, write them in the "inner" argument of the layout. To specify any outer specs, press `Alt+A 1` and write the outer specs in the "outer" argument of the layout.
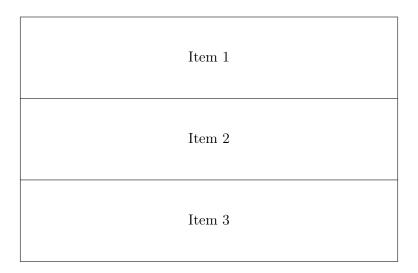
2.1 example

| Item 1 |
| Item 2 |
| Item 3 |

Table 1: Nice Table

2.2 More Complicated Example[1]

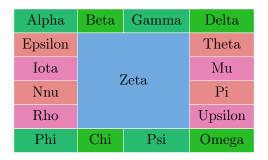| Alpha	Beta	Gamma	Delta
Epsilon			Theta
Iota			Mu
Nnu	Zeta		Pi
Rho			Upsilon
Phi	Chi	Psi	Omega

Table 2: Nicer Table

2.3 Predefined Styles

If you would like to change the default appearence of all unnamed tabular-array, insert the Set Tbir Inner and Set Tbir Outer layouts via LyX's style selection combobox and specify the inner spec and outer spec accordingly. For example, after the next line all unnamed tabular-array's odd rows will have pink background

If you want to use several tabulararrays with the same design (or somewhat similar), but dont want to change all tabular-arrays, you could declare a new tabular-array via `\NewTblrEnviron{<name>}` in ERT layout or in the preamble, then insert the Set Tbir Inner and Set Tbir Outer layout via LyX's style selection combobox, press `Alt+A 1` and write the name of the tabulararray you would like to change. For example any tabular-array with the name "example" after the next line will have hlines as default. An example can be seen in Section 3.

To insert a named tabular-array, begin as usual, inside the layout press `Alt+A 3` and

---

[1]The design was stolen from the tabularray documentation.

specify the name.

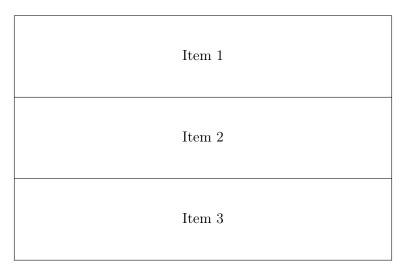| Item 1 |
| Item 2 |
| Item 3 |

Table 3: example tabular-array default

3 Important Remarks

- In the current tabularray package the commands `\multirow` and `\mulricolumn` (which lyx uses internally) are absolete, thus the module is loading tabularray-2021.sty, not tabularray.sty.
- Any hlines or vlines specification in the inner argument will add the lines ontop of the lines appear in the L\(_Y\)X GUI and will not replace them, for example the following table will generate with two horizontal lines at the top of the table
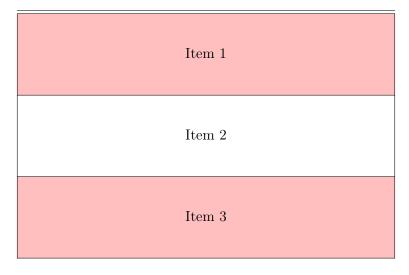
| Item 1 |
| Item 2 |
| Item 3 |

Table 4: Remark

- Any cell alignment specification in the inner argument will override the alignment specification that was made in the GUI
- Tables outside the Tblr layout will not be produced via tabularray, thus you can still use "regular" tables. "Regular" tables won't be affected by any global settings of tabularray.
- The module alredy use the key "expand" provided by the tabularray package. Since this key has only one value it wont be possible to use this key with the module.