1 Parskip Values

1.1 LyX 2.2

When selecting paragraph separation by vertical space, LyX currently offers 4 options for the actual size of the paragraph skip:

- `smallskipamount | |`, by default 3 pt ± 1 pt
- `medskipamount | |`, by default 6 pt ± 2 pt
- `bigskipamount | |`, by default 12 pt ± 4 pt
- custom (length value specified by the user).

1.2 Other Packages

The `parskip` package uses 0.5 times the baselineskip | |, by default 0.5*11.72 pt + 2pt stretch value.

The `nccparskip` package defaults to 4pt plus 1pt minus .2pt | | and provides the `SetParskip` macro for custom values.

*KOMA script* classes provide the "parskip" option with the possible skip values half | | (0.5 baselineskip ± 1fil) and full | | (baselineskip ± 1 fil).

The `memoir` package provides `nonzeroparskip` | | (0.5 times the baselineskip ± 0.1 times baselineskip) and the `abnormalparskip` macro to set a custom value.
1.3 Suggestion

The LyX values are uncommon (not used by any package or documentclass). Backwards compatibility requires preamble code anyway (cf comment 11):

The fileformat change is needed because the output (page breaking) will be affected, and this is something we want to avoid (we will use the new settings only for new documents and use preamble code in given documents in order to emulate the old behavior).

Suggested entries for the “vertical space” drop-down list:

- half,
- full,
- custom.

2 LaTeX export

Prefer package or class defaults, if possible. In the general case, require “parskip”, eventually re-define \parskip:

- no support by the document class
  - half: \usepackage{parskip}
  - full: \usepackage{parskip}
    \setlength{\parskip}{\baselineskip plus 0.1\baselineskip minus 0.1\baselineskip}
  - custom: \usepackage{parskip} \setlength{\parskip}{...}
- with KOMA-script
  Set class options (eventually using \KOMAoption{parskip}{<value>})
  - half: parskip=half-
  - full: parskip=full-
  - custom: parskip=half-, preamble code: \setlength{\parskip}{...}
- with Memoir
  - half: \nonzeroparskip
  - full: \abnormalparskip{\fullamount}
  - custom: \abnormalparskip{<length>}