

The `sttools` collection

Sigitas Tolušis
`sigitas@vtex.lt`

2025.04.14

1 Introduction

This is collection of various packages historically placed in a bundle and maintained by Sigitas Tolušis.

2 Usage

- **cuted.sty, v2.4 2025/01/29** – place some material page width wide at any place on twocolumn page with existing text reformatted under inserted material;
`\preCutedStrip{<...>}` and `\postCutedStrip{<...>}` can be used to add extra stuff before and after the strip; – switch between onecolumn and twocolumn in the same document with commands: `\switchonecolumn` and `\switchtwocolumn`;
(2021/10/04): rewrite with new balance algorithm and options.
(2025/01/29): bugfix version with improved functionality.
- **floatpag.sty, v2.0 2021/10/04** – set pagestyle for floats page;
(2021/10/04): removed latex209 compatibility; added rotated dblfloat support;
- **flushend.sty, v4.2 2025/02/11** – balance page in twocolumn mode;
(2014/03/03): totally rewritten with new algorithm to support footnotes, top floats and column break before one line section title.
(2014/04/24): bugfix version;
(2015/03/27): bugfix version with improved functionality:
– spreaded or fixed right column height;
– optional old algorithm for backward compatability;
(2015/04/14): set debug option off by default; keeplastbox modified;
(2016/06/21): bugfix compatibility with luatexja package;
(2017/03/27): bugfix for `get@@footnoterule@@box`; options for some checks on/off;
(2020/10/14): bugfix development and test;
(2020/10/16): bugfix version: modern with noautobase;
(2021/10/04): another rewrite with new balance algorithm and options;
(2025/02/11): adapt to the latest latex kernel and a new hook.

- **midfloat.sty, v1.1 2012/05/29** – insert onecolumn stuff in twocolumn page;
 TODO: extend to work on both columns;
 TODO: to be removed as it is not used?;
- **stabular.sty, v2.2 2025/04/10** – use modified tabular environment;
 (2014/03/20): removed extra stuff and left only possibility to break on page boundary;
 added tabular variant from array packag;
 (2021/10/04): sync with array bugfix version for tabular;
 (2025/04/10): code polishing.
- **stfloats.sty, v3.3 2017/03/27** – enable enriched floats output mechanism;
 (2016/06/28): compatibility bugfix with 2015 latexrelease;
 (2017/03/27): compatibility bugfix with 2017-05-01 latexrelease.
- **texsort.sty, v1.1 2012/05/29** – sort numerical values;
 TODO: extend (rewrite) to support alphanumerical values for sorting.

Just load any of the provided packages in the standard way: `\usepackage{<package>}`
 or `\RequirePackage{<package>}`.

To read documentation: `texdoc <package>`.