The sttools collection

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1 Introduction

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

2 Usage

- **cuted.sty, v2.10 2025/12/15** – 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`);

  – toggle between onecolumn and twocolumn layouts within the same document using the following commands: `\switchonecolumn` and `\switchtwocolumn`;
  `(2021/10/04):` `rewrite with new balance algorithm and options;`
  `(2025/01/29):` `bugfix version with improved funcionality;`
  `(2025/06/18):` `adapt to the latest latex kernel;`
  `(2025/10/13):` `bugfix version;`
  `(2025/12/15):` `bugfix and improved version.`

- **cuted2024.sty, v2.5 2025/10/13** (readded for the LaTeX kernel before 2025):
  `(2025/10/13):` `bugfix version;`
  `(2025/12/15):` `removed.`

- **floatpag.sty, v2.0 2021/10/04** – set pagestyle for floats page;
  `(2021/10/04):` `removed latex209 compatibility; added rotated dblfloat support;`

- **flushend.sty, v4.4 2026/11/18** – 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 funcionality:`
  `- 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;
(2025/06/18): adapt to the latest latex kernel;
(2026/11/18): bugfix compatibility with pgf package.

- **midfloat.sty, v1.1 2012/05/29** – insert onecolumn stuff in twocolumn page;
  (2025/06/18): removed.

- **stabular.sty, v2.3 2025/06/18** – 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;
  (2025/06/18): adapt to the latest latex kernel;
  (2026/11/18): removed.

- **stfloats.sty, v3.4 2025/06/18** – enable enriched floats output mechanism;
  (2016/06/28): compatibility bugfix with 2015 latexrelease;
  (2017/03/27): compatibility bugfix with 2017-05-01 latexrelease;
  (2025/06/18): adapt to the latest latex kernel.

- **texsort.sty, v1.1 2012/05/29** – sort numerical values;
  TODO: extend (rewrite) to support alphnanumerical values for sorting.
  (2025/10/13): removed.

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

To read documentation: `texdoc` ⟨*package*⟩.