

# 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`, v2.7 2025/10/13** – 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 functionality;
  - (2025/06/18): adapt to the latest latex kernel;
  - (2025/10/13): bugfix version.
- **`cuted2024.sty`, v2.5 2025/10/13** (readded for the LaTeX kernel before 2025):
  - (2025/10/13): bugfix version.
- **`floatpag.sty`, v2.0 2021/10/04** – set pagestyle for floats page;
  - (2021/10/04): removed latex209 compatibility; added rotated dblfloat support;
- **`flushend.sty`, v4.3 2025/06/18** – 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 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;
  - (2025/06/18): adapt to the latest latex kernel.
- **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.
  - **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;
    - TODD: extend (rewrite) to support alphanumerical 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>`.