# 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, v2.5 2025/06/18** – 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.
  ```

- **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 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.
  ```

- **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;
  ```
  TODO: extend (rewrite) to support alphnanumerical values for sorting.
  ```

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

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