

# Working with Literature

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INVESTMENTS IN EDUCATION DEVELOPMENT

- main source: <http://ezdroje.muni.cz/>
- Google/Google Scholar
- by publisher (IEEE Xplore, SpringerLink, Science Direct, ACM Digital Library ...)
- [arXiv.org](http://arxiv.org), technical reports, ...
- **Download** if available!

## DOI

- Digital Object Identifier
- example: **10.1000/182**
- permanent, resolves to URL
- resolved through [dx.doi.org](http://dx.doi.org)  
e.g. <http://dx.doi.org/10.1000/182>

- *archive* of electronic preprints
- hosted and operated by Cornell University
- supported by many other institutions
- guarantees long-term availability
- *fields*: mathematics, physics, astronomy, computer science, quantitative biology, statistics, and quantitative finance
- *not* peer reviewed
- organized by category
- *LaTeX sources* are *compulsory* (if the paper was written in LaTeX)
- supports *versioning* and *comments*

## BibTeX

- traditional, complements *LaTeX*
- many *frontends*: e.g. JabRef, KBibTeX, ...
- inherently desktop-based

## Other tools

- *Mendeley*
- *EndNote* (Thomson Reuters)
- ...
- often web-based

- *Mendeley Desktop* - PDF and reference management
- *Mendeley Web* - online social network for researchers
- platforms (Desktop): Qt based - Windows, Linux, Mac
- citation data *must* be stored online (free version: 1GB)
- papers *may* be stored online
- PDFs: *metadata extraction*, *inline comments*
- *bookmarklet* for browsers, working on many websites
- exports to Word/Libre Office/BibTeX
- multiple computer synchronization
- fulltext search

- 1 choose a good naming scheme
- 2 uppercase letters in titles: *On some {NP}-complete ...*
- 3 diacritics and sorting - `{\"a}` or `{\"{a}}` not `\"{a}`
- 4 UTF8 *not* working
- 5 `bibtool` - good for managing *bib* files
- 6 list all entries: `\nocite`
- 7 choose appropriate entry type

## journals

- short journal names
- prefer journal to conference

## conferences

- short vs long names (be consistent)
- e.g. *SODA'12*

## software packages/tools

- cite tool paper (if it exists)
- check the webpage