

# Практикум по научному письму

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## Лабораторная работа 6

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# Работа с bib

The screenshot shows a LaTeX editor interface with two files open:

- main.tex**: A file containing a single line of code: `\documentclass{article}`.
- name.bib**: A bibliography file containing the following entries:

```
1 @article{Практикум_по_научному_письму,
2   title      = {Практикум по научному письму},
3   author     = {Кулябов Д.С.},
4   year       = {2025},
5   journal    = {Нет}
6 }
7
8 @article{Thomas2008,
9   author = {Thomas, Christine M. and Liu, Tianbiao and Hall, Michael B.
10 and Darenbourg, Marcetta Y.},
11   title = {Series of Mixed Valant {Fe(II)Fe(I)} Complexes That Model the
12 {H(OX)} State of [{FeFe}]Hydrogenase: Redox Properties,
13 Density-Functional Theory Investigation, and Reactivity with Extrinsic
14 {CO}},
15   journal = {Inorg. Chem.},
16   year = {2008},
17   volume = {47},
18   number = {15},
19   pages = {7009-7024},
20   doi = {10.1021/ic800654a},
21 }
22 @book{Graham1995,
23   author = {Ronald L. Graham and Donald E. Knuth and Oren Patashnik},
```

Рис. 1: LaTeX

The screenshot shows a LaTeX editor interface. On the left, a code editor displays a LaTeX document with various citation commands. On the right, a preview pane shows the resulting text and citations.

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage{natbib}
4 \begin{document}
5 The mathematics showcase is from
6 \citet{graham1995}, whereas
7 there is some chemistry in
8 \citet{Thomas2008}.
9 Some parenthetical citations:
10 \citet{graham1995}
11 and then \citet[p.-56]{Thomas2008}.
12 \citet[See][pp.-45--48]{Graham1995}
13 Together \citet{graham1995,Thomas2008}
14 \bibliographystyle{plainnat}
15 \bibliography{name}
16
17
18
19
```

The mathematics showcase is from Graham et al. [1995], whereas there is some chemistry in Thomas et al. [2008]. Some parenthetical citations: [Graham et al., 1995] and then [Thomas et al., 2008, p. 56]. [See Graham et al., 1995, pp. 45–48] Together [Graham et al., 1995, Thomas et al., 2008]

## References

Ronald L. Graham, Donald E. Knuth, and Oren Patashnik. *Concrete Mathematics*. Addison-Wesley, 1995.

Christine M. Thomas, Tianbiao Liu, Michael B. Hall, and Marcotta Y. Darenbourg. Series of mixed valent Fe(II)Fe(I) complexes that model the H(OX) state of [FeFe]hydrogenase: Redox properties, density-functional theory investigation, and reactivity with extrinsic CO. *Inorg. Chem.*, 47(15):7009–7024, 2008. doi: 10.1021/ic800654a.

Рис. 2: LaTeX

```
1 \documentclass{article}
2 \usepackage[T1]{fontenc}
3 \usepackage[style=authoryear]
4   {biblatex}
5 \addbibrainc{name.bib} % file of
6   reference info
7 \begin{document}
8 The mathematics showcase is from
9 \autocite{Graham1995}.
10 Some more complex citations:
11   \parencite{Graham1995} or
12   \textcite{Thomas2008} or possibly
13   \citetitle{Graham1995}.
14 \autocite[56]{Thomas2008}
15 \autocite[See][45-48]{Graham1995}
16 Together
17   \autocite{Thomas2008,Graham1995}
18 \printbibliography
19 \end{document}
```

Some more complex citations: (Graham, Knuth, and Patashnik 1995) or Thomas et al. (2008) or possibly *Concrete Mathematics*. (Thomas et al. 2008, p. 56) (See Graham, Knuth, and Patashnik 1995, pp. 45–48) Together (Thomas et al. 2008; Graham, Knuth, and Patashnik 1995)

## References

- Graham, Ronald L., Donald E. Knuth, and Oren Patashnik (1995). *Concrete Mathematics*. Addison-Wesley.
- Thomas, Christine M. et al. (2008). "Series of Mixed Valence Fe(II)Fe(I) Complexes That Model the H<sub>2</sub>O<sup>x</sup> State of [FeFe]Hydrogenase: Redox Properties, Density-Functional Theory Investigation, and Reactivity with Extrinsic CO". In: *Inorg. Chem.* 47.15, pp. 7009–7024. doi: 10.1021/ic800654a.

Рис. 3: LaTeX

## Выводы

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- Познакомилась с LaTeX
- Изучила новый пакет
- Научилась работе со списком литературы

Спасибо за внимание!