Your Topic Title (Title Abbreviation)

Seminar Name

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1 Introduction

We use the LaTeX package `biblatex` for citations. Sample citation: [Hut+09]. You can also use full citations: Jonathan Heins et al. "On the Potential of Normalized TSP Features for Automated Algorithm Selection". In: *Proceedings of the 16th ACM/SIGEVO Conference on Foundations of Genetic Algorithms*. 2021

You are free to use British, American, Canadian or Australian English, but whatever you choose should be used consistently. As Europeans, we recommend the use of British English (which is also well supported by spell and grammar checkers).

2 Notes

- In our seminars we usualy use abbreviations to quickly identify certain topics, e.g., **NAS-1** for some kind of *Neural Architecture Search* related topic. Please add this abbreviation into the title of your report in parenthesis after the full title.
- Please add your full names and your matriculation number in the `\author{}` field.

3 Figures and tables

Figure 1 shows a sample image and Table 1 shows an exemplary table. Use the `booktabs` package to design nice tables. Avoid vertical lines whenever possible. We recommend to take a look at the presentation Small Guide to Making Nice Tables by Markus Püschel.

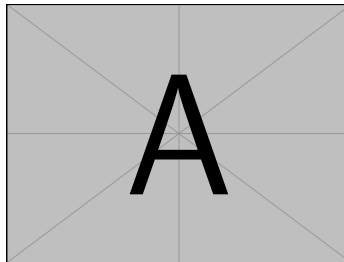**Figure 1:** Sample image.

4 Macros

It is often useful to comment on different things while writing a report, adding ToDos or highlight changed or added parts. To this end the file `includes/commenting.tex` defines some useful macros.

- Use `\todo{...}` to add a ToDo:
  TODO ▶*Do this, do that*◀

TSP Set	Mutation	RTS[*]		FR[†]		PAR10	
		EAX	LKH	EAX	LKH	EAX	LKH
RUE	-	1.26	0.74	0.00	0.00	1.26	0.74
Easy for	simple	1.34	912.78	0.00	0.20	1.34	7 608.11
EAX	sophistic.	0.97	830.80	0.00	0.22	0.97	8 230.61
Easy for	simple	117.97	0.74	0.00	0.00	117.97	0.74
LKH	sophistic.	67.90	0.88	0.00	0.00	67.90	0.88

[*] RTS: Running time of successful runs, [†] FR: Failure ratio

Table 1: Sample table taken from [Bos+19].

- – Use \changed{...} to indicate changes:

  CHANGED ► *This text was changed.*◄
- – Use \added{...} to highlight additions:

  ADDED ► *This text was added.*◄
- – Use author-specific macros, e.g., \jane{...} or \john for our two sample authors Jane and Joe, to add comments. Feel free to edit includes/commenting.tex to add/adapt the author-specific macros.

  Jane ► *Comment by Jane.*◄

  John ► *Comment by Joe.*◄

5   Conclusion

Each report ends with a conclusion section, which summarises the main findings.

Statement of Contributions

Please indicate here the contributions of each single author/student. This section can be dropped if there is a single author only.

References

[Hut+09]   Frank Hutter et al. "ParamILS: An Automatic Algorithm Configuration Framework". In: *J. Artif. Int. Res.* 36.1 (Sept. 2009), pp. 267–306. ISSN: 1076-9757.

[Hei+21]   Jonathan Heins et al. "On the Potential of Normalized TSP Features for Automated Algorithm Selection". In: *Proceedings of the 16th ACM/SIGEVO Conference on Foundations of Genetic Algorithms*. 2021.

[Bos+19]   Jakob Bossek et al. "Evolving diverse TSP instances by means of novel and creative mutation operators". In: *Proceedings of the 15th ACM/SIGEVO Conference on Foundations of Genetic Algorithms*. New York, NY, USA: Association for Computing Machinery, 2019, pp. 58–71.

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