Highlights

Distribution fast Charging Network Planning at City Scale Using Multi-Policy Deep Reinforcement Learning with Geospatial Analysis

- Research highlight 1
- Research highlight 2

Distribution fast Charging Network Planning at City Scale Using Multi-Policy Deep Reinforcement Learning with Geospatial Analysis

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Abstract

Abstract text.

Keywords:

1. Paper Outline

1. Provide a concise explanation of the background behind the dissemination of fast charging station (one paragraph) Importance of transition from internal combustion engine vehicles (ICEVs) to electric vehicles (EVs) -> Strong positive correlation between the adoption of EVs and the dissemination of fast charging stations. -> The installation of fast charging stations is quite expensive. It is important to present the charging network planning. -> EVs do not emit GHGs while driving but EVs still create in the process of charging the vehicles by electricity resources. Thus, present the necessity of the transition of electricity resources into alternative resources (e.g., solar energy) by micro-grid concept for zero-emissions. -> * Thus, propose a necessity of the fast charging network planning connecting with alternative resources.

2. Present a **distribution** fast charging network planning at a city scale considering **multi-objective**. Previous studies have conducted to investigate the charging infrastructure planning or optimal site selection of charging stations using various planning approaches, such as corriodr

1.1. Example Subsection

Subsection text.

1	2	3
4	5	6
7	8	9

Table 1: Table Caption

1.1.1. Mathematics

This is an example for the symbol α tagged as inline mathematics.

$$f(x) = (x+a)(x+b) \tag{1}$$

$$f(x) = (x+a)(x+b)$$

$$\begin{aligned} f(x) &= (x+a)(x+b) && (2)\\ &= x^2 + (a+b)x + ab && (3) \end{aligned}$$

$$\begin{aligned} f(x) &= (x+a)(x+b) \\ &= x^2 + (a+b)x + ab && (4) \end{aligned}$$

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Appendix A. Example Appendix Section

Appendix text.

Example citation, See Lamport [1].

References

[1] Leslie Lamport, *LaTeX: a document preparation system*, Addison Wesley, Massachusetts, 2nd edition, 1994.

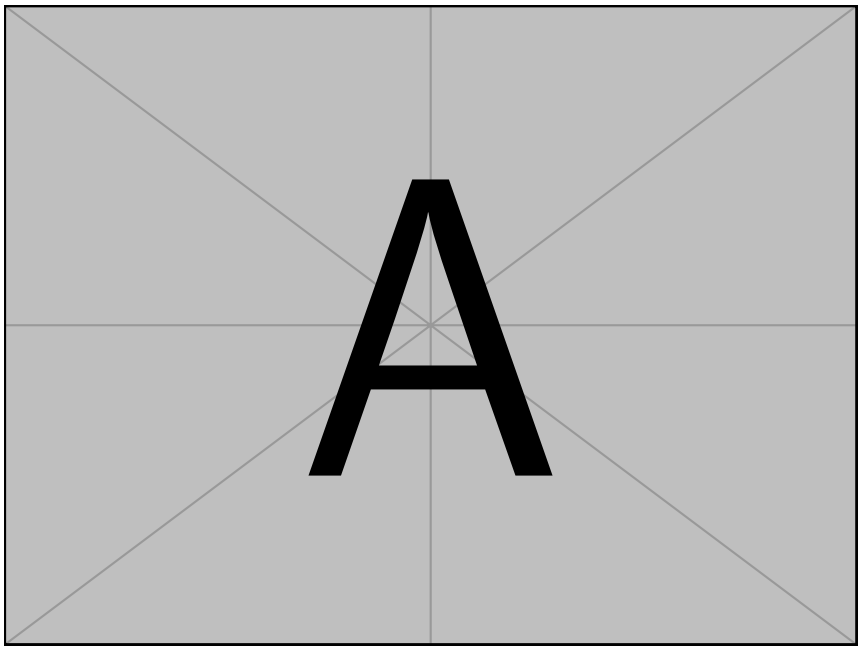

Figure 1: Figure Caption