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Title: Data Center Power Minimization with Placement Optimization of Liquid-Cooled Servers and Free Air Cooling

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Highlights

- 1. We have integrated free air cooling into the hybrid cooling system. While the conference version considers only liquid cooling, we have extended the paper to consider a novel and timely problem: Coordination with free air cooling.
- 2. We have presented new evaluation results in three new experimental subsections and test our scheme from more perspectives.
- 3. We have added detailed discussion about different cooling techniques.

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