

# A New Variant of the Windy Postman Problem

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The Windy Postman Problem (WPP) is a generalization of the traditional Chinese Postman Problem. In the WPP, the cost of traversing an edge depends on the direction of traversal. In this paper, we propose a variant of the WPP based on real-world considerations. We motivate and formulate the problem, propose an effective heuristic solution approach as well as tight lower bounds, and conduct a computational study. The results demonstrate that the heuristic generates high-quality solutions.