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Optimizing Invasive Species Management: A Mixed-Integer Linear Programming Approach

Eyyüb Y. Kıbış , I. Esra Büyüktahtakın

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Highlights

- We study a realistic linear integer model for controlling invasive species.
- Linear model provides an exact optimal solution contrary to non-linear models.
- The big-M value used to linearize the model impacts solution quality and time.
- Results provide insights into spatial and dynamic allocation of control efforts.
- Our model can be used as a decision-support tool in invasive species management.

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