عنوان مقاله:

Auxiliary Public Transportation Network Planning

محل انتشار:

دهمین کنفرانس بین المللی مهندسی صنایع (سال: 1392)

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خلاصه مقاله:

This paper proposes a new covering-routing problem application for the public urban transportation network called Auxiliary Public Transportation Network (APTN) and uses to help the conventional network to cover the additional demands during peak period traffic. Our objective is to design an APTN so that additional demand coverage is maximized while APTN costs are minimized. The main difference between this problem and other covering-routing applications use for commodities transportation networks is that each bus station can be the origin or destination of each passenger. The solved model and computational results have been presented for a public transportation company using goal programming approach based on different scenarios.

کلمات کلیدی:

Covering-routing problem; Auxiliary Public transportation network; Multi-objective optimization

لینک ثابت مقاله در پایگاه سیویلیکا: