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SEMINAR

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304 Whitehead Hall
Refreshments: 3:30 p.m.
Seminar: 4:00 p.m.

A MAXIMIN LOCATION PROBLEM HEURISTIC

Abstract

Presumably, a facility would not be built at all unless it provided a service that some entity found "desirable". Conversely, even the most desirable of facilities also exhibit some undesirable characteristics. The fact is that most facilities cannot be classified as being either purely desirable or purely obnoxious. The location literature defines facilities falling between the two extremes as semi-desirable or semi-obnoxious. This talk will present a heuristic for a category of semi-obnoxious multifacility location problems with the following objective: maximize the minimum distance among the new facilities and any protected points. We will discuss some convergence properties of the heuristic and illustrate a graphical implementation method for the procedure.