

## An Optimization Modelling to Evaluate Flights Scheduling at Tourist Airports

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**Abstract :** Airport's serving a tourist destination are an essential counterpart of the tourist demand supply chain, and their productivity is related to the region's attractiveness and is enhanced by the air transport business. In this paper, the evaluation framework of the scheduled flights between two tourist airports is taken into consideration. By adopting a systemic approach, the arrivals from an airport that its connectivity heavily depended on the departures of another major airport are reviewed. The methodology framework, based on inventory control theory and the numerical example, promotes the use of the modelling formulation. The results would be essential for comparison and exercising to other similar cases.

**Keywords :** airport connectivity, inventory control, optimization, optimum allocation

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