

## **An Extended Origin-Based Method for Solving Capacitated Traffic Assignment Problem**

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In this paper, we have proposed a new algorithm for solving Capacitated Traffic Assignment Problem (CTAP). The proposed method first approximates original problem with a sequence of standard Traffic Assignment Problem (TAP) by an inner penalty strategy and then this subproblems have been solved by recently proposed Origin-Based (OB) algorithm with some modifications. This algorithm will be more useful for large scale problems since all computation in OB algorithm is done under a topological order.