The Traveling Salesman Problem

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ABSTRACT

The traveling salesman problem, or TSP for short, is easy to state: given a number of "cities" along with the cost of travel between each pair of them, find the cheapest way of visiting all the cities and returning to your starting point. We will present a survey of recent progress in algorithms for large-scale TSP instances, including the solution of a million city instance to within 0.09% of optimality and the exact solution a 15,112-city instance. We will also discuss extensions of TSP techniques to other path-routing problems, and describe the solution of the WhizzKids'96 problem in vehicle routing.

References

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