Enjoy the most beautiful scene now: a memetic algorithm to solve two-fold time-dependent arc orienteering problem

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Problems & Ideas

• Problems of planning travel routes between two pints in a city
  – both scenic score (utility) and travel time (cost) values on each arc of the road network are time-dependent

• Ideas: Propose an approximate algorithm based on the memetic algorithm
  – Phase I: Chromosome Generation
  – Phase II: The Local Search
Main Contributions

- Effectiveness Study