

Genetic Algorithms Multi-Objective Model for Project Scheduling

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Abstract : Time and cost are the main goals of the construction project management. The first schedule developed may not be a suitable schedule for beginning or completing the project to achieve the target completion time at a minimum total cost. In general, there are trade-offs between time and cost (TCT) to complete the activities of a project. This research presents genetic algorithms (GAs) multi-objective model for project scheduling considering different scenarios such as least cost, least time, and target time.

Keywords : genetic algorithms, time-cost trade-off, multi-objective model, project scheduling

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