

**Modeling an Optimal Track Maintenance Schedule in Consideration of Operation of Several Numbers of Track Maintenance Machines**

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Through appropriate maintenance activity, railway track condition must be kept at a satisfactory level. Therefore, we have developed an optimal decision making model for scheduling operation of several numbers of track maintenance machines for each kind of maintenance work with consideration of restrictions. In order to determine the schedule, we apply integer programming technique to the scheduling model. By test computation, we confirm that our model is effective in terms of both quality and computation time.