

## عنوان مقاله:

An Improved Steiner Tree Algorithm in Graph

## محل انتشار:

اولین کنفرانس ملی دانش پژوهان کامپیوتر و فناوری اطلاعات (سال: 1390)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Given an undirected graph with weights associated with its edges, the Steiner tree problem consists of finding a minimum weight subtree spanning a given subset of (terminal) nodes of the original graph, which it is NP-complete. In this paper, we first review one of the existing algorithms for solving the Steiner problem in graphs, Shortest Path Heuristic algorithm, then presenting a new heuristic algorithm ISPH to improve it. We describe our algorithm and its computational results. It is shown that our algorithm can effectively improve the performance on SPH

## کلمات کلیدی:

Steiner Tree problem- heuristic algorithm- SPH algorithm

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/132130>

