MST Context

来自 Princeton University 的课程

Algorithms, Part II

★★★★★ 512 个评分

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Princeton University

Algorithms, Part II

★★★★★ 512 个评分

This course covers the essential information that every serious programmer needs to know about algorithms and data structures, with emphasis on applications and scientific performance analysis of Java implementations. Part I covers elementary data structures, sorting, and searching algorithms. Part II focuses on graph- and string-processing algorithms.

从本节课中

Minimum Spanning Trees

In this lecture we study the minimum spanning tree problem. We begin by considering a generic greedy algorithm for the problem. Next, we consider and implement two classic algorithm for the problem—Kruskal's algorithm and Prim's algorithm. We conclude with some applications and open problems.

- Introduction to MSTs 4:04
- Greedy Algorithm 12:56
- Edge-Weighted Graph API 11:15
- Kruskal's Algorithm 12:28
- Prim's Algorithm 33:15
- MST Context 10:34

与讲师见面

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