

Rubinstein, J. Hyam**Shortest networks in 2 and 3 dimensions.** (English) [Zbl 1101.05026](#)

Hoffman, David (ed.), Global theory of minimal surfaces. Proceedings of the Clay Mathematics Institute 2001 summer school, Berkeley, CA, USA, June 25–July 27, 2001. Providence, RI: American Mathematical Society (AMS). Cambridge, MA: Clay Mathematics Institute (ISBN 0-8218-3587-4/pbk). Clay Mathematics Proceedings 2, 783-790 (2005).

This survey recalls results on Steiner trees and shortest path trees in Euclidean 2- and 3-spaces published between 1956 and 2002.

For the entire collection see [\[Zbl 1078.53002\]](#).

Reviewer: Haiko Müller (Leeds)

MSC:

- [05C05](#) Trees
- [68R10](#) Graph theory (including graph drawing) in computer science
- [90B85](#) Continuous location
- [05-02](#) Research exposition (monographs, survey articles) pertaining to combinatorics

Keywords:

[Steiner tree](#); [minimal spanning tree](#); [variational method](#); [polynomial time algorithm](#); [combinatorial optimization](#)