

Complexity And Approximation Combinatorial Optimization Problems And Their Approximability Properties

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Complexity And Approximation Combinatorial Optimization

We call this type of solution an approximate solution and the corresponding algorithm a polynomial-time approximation algorithm. Most combinatorial optimization problems of great practical relevance are, indeed, computationally intractable in the above sense. In formal terms, they are classified as Np-hard optimization problems.

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Complexity and Approximation: Combinatorial Optimization Problems and Their Approximability Properties Corrected Edition by G. Ausiello (Author), P. Crescenzi (Author), V. Kann (Author), Marchetti-sp (Author), Giorgio Gambosi (Author), Alberto M. Spaccamela (Author) & 3 more

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Combinatorial optimization is a subfield of mathematical optimization that is related to operations research, algorithm theory, and computational complexity theory. It has important applications in several fields, including artificial intelligence, machine learning, auction theory, software engineering, applied mathematics and theoretical computer science.

Combinatorial optimization - Wikipedia

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Combinatorial optimization with interaction costs ...

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