

Approximation algorithms

- Optimal algorithm too slow
- Heuristic algorithm too uncertain
- Provide result with guarantee:

$$\frac{|f_{OPT} - f|}{f_{OPT}} \leq \varepsilon$$

f = result of approximation algorithm

f_{OPT} = result of optimal algorithm

Approximation Algorithms

Yijin Wang



Approximation Algorithms:

Decoding **Approximation Algorithms**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Approximation Algorithms**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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