

Big O - PCSS

Jannick Drews

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$$O(1) < O(\log n) < O(n) < O(n \log n) < O(n^2) < O(n^3) < O(2^n)$$

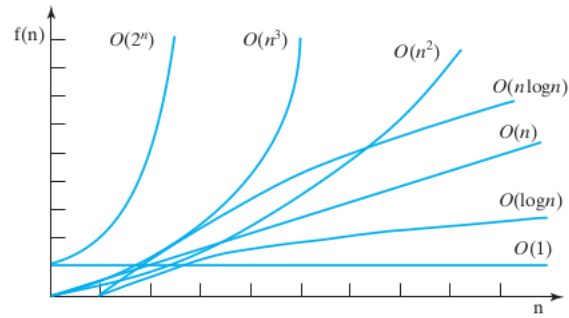


Figure 1: Different notations of Big O

1 Big O

Linear time $O(n)$
 Constant time $O(1)$
 Quadratic time $O(n^2)$

1. Find the fastest growing term
2. take out the coefficient

2 Time complexity

3 Important notes