

"P vs NP"

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"[P vs NP](#)" N

"P vs NP""P vs NP".....

P10

"[P vs NP](#)" Theory of Computation—ComplexityComputability""

Michael Sipser [Introduction to the Theory of Computation](#)

Indiana "" PL Sipser

lambda calculus"Lambda "

"P vs NP"

"P vs NP"

"P vs NP" CS

"P vs NP""

"P vs NP"Clay 7

"P vs NP".....

"P vs NP" P NP

"P vs NP" ""

"P vs NP"

"" "applicable result" applied practical""""""

Riemann hypothesis"" "P vs NP""P vs NP"

"P vs NP"P NP.....

"""" ""P vs NP"

$n^{100} n^{1000000} n^{100^{100}} n^{100^{100^{100}}} \dots n n n n$

$n^{100^{100^{100}}} P=NP N N$

$n n$ """"

"" O $O(n^3)$ $O(n^{2.9})$

"""" $6n^{20} + 26n^7 + 2001000n^3 + 8n^2 + 9 \dots$

"P=NP" P P NP

"" cache..... Dyno

""

P!=NP

"P vs NP"P=NP P!=NP P=NP P!=NP

NP-Hard $P \neq NP$

$P \neq NP$

NP-Hard SAT $P \neq NP$ SAT solver SAT

"P vs NP" "P vs NP"

$P \neq NP$ NP-Hard " NP-Hard

$P \neq NP$ NP-Hard $P \neq NP$ $P = NP$ " " "

NP

"P vs NP" "NP"

NP "P vs NP" NP " NP "Nondeterministic Polynomial time" "nondeterministic Turing machine
" " "

"deterministic Turing machine

" " " True False

"P vs NP"

"No"

"P vs NP" —"

" Hogwarts "P vs HP" H Harry PotterHP

"P vs NP"

"P vs HP"

"P vs NP" "P vs HP" NP "

SAT SAT SAT

NP SAT "P vs SAT" NP

P vs NP

P vs NP P vs NP

Doron Zeilberger Zeilberger Rutgers $P = NP$ Don't Fall In Love With Your Model

"P vs NP"

[Is \$P = NP\$ an Ill Posed Problem?](#)

"P vs NP"

"P vs NP" "P vs NP" :)