Computational Complexity

Billy Hardy, West Virginia University

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1 What if P=NP?

- 1. Everything Becomes Easy
- 2. Consequences to Nondeterminism
- 3. Creativity Becomes Trivial

2 Upper and Lower Bounds

- 1. Sorting Black Boxes
- 2. Are They Really Black?

3 Diagonalization and Time Hierarchy

1. Time Hierarchy Theorem