On Computing Sensitivity, Block Sensitivity, and Certificate Complexity for Boolean Formulas

HIROKI MORIZUMI\textsuperscript{1,a)}

Abstract: Sensitivity, block sensitivity, and certificate complexity are complexity measures for Boolean functions. If a Boolean function $f$ is given by its truth table, it is known that there exist polynomial-time algorithms computing these three values of $f$. In this talk, we consider the problem computing sensitivity, block sensitivity, and certificate complexity for Boolean functions given by formulas.

This is a short talk. See \cite{Aaronson2003} for polynomial-time algorithms of truth tables.

References