

Download Multiple-valued Logic Design : An Introduction

Logic (from the Ancient Greek: $\lambda\omicron\gamma\iota\kappa\acute{o}\varsigma$, translit. *logikós*), is the systematic study of the form of valid inference, and the most general laws of truth. A valid inference is one where there is a specific relation of logical support between the assumptions of the inference and its conclusion. Ternary Logic is the subset of MVL & a most promising alternative to binary logic design. Using Ternary Logic, it is possible to accomplish simplicity & energy efficiency in logic, a many-valued logic (also multi-or multiple-valued logic) is a propositional calculus in which there are more than two truth values. Traditionally, in Aristotle's logical calculus, there were only two possible values (i.e., "true" and "false") for any proposition. Logic, from Classical Greek $\lambda\omicron\gamma\omicron\varsigma$ (*logos*), originally meaning the word, but also referring to speech or reason is the science that evaluates reasoning within arguments. Contents[show] Nature of logic Logic is generally understood and accepted as a set of rules that tell us when an argument's...