

The Functional Method of the Analysis of Speed-Independent Circuits of Any Size

Abstract

Development and implementation of the speed-independent circuits, possessing unique properties, are largely discouraged by design difficulties, in particular, the analysis for speed-independence of "large" circuits. In the report it is suggested the method of the analysis of circuits of unlimited size, based on the functional approach. In the literature, this approach is not observed, and a method is provided here for the first time.