

The acting model of the multiplier unit for formal neuron

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Abstract

work the analysis of schematic-based design for the multiply accumulate unit of formal neuron is conducted, an operating model is created on the basis of microcircuits of multipliers and the confidence rating of its operation is conducted. Testified that accuracy of the circuit operation under static conditions makes 10 mkV when the rectangular wave ($U_m = 4.6$ V, $f = 57$ kHz) is at the input of the chart, within the limits of accessible method of measurement, the accuracy is reasonable.

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